# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 7.0
Revision Date 24.09.2025
Print Date 04.08.2026
GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

Product name : Human IL-10 ELISA Kit

Product Number : RAB0244
Brand : Sigma
REACH No. : This product is a mixture. REACH Registration Number see section 3.

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances
Uses advised against : For R&D use only. Not for pharmaceutical, household or other uses.

### 1.3 Details of the supplier of the safety data sheet

Company : Merck Life Science S.A.S
80 Rue de Luzais
F-38297 SAINT QUENTIN FALLAVIER CEDEX

Telephone : +33 (0)1 85 16 94 34
E-mail address : servicetechnique@merckgroup.com

### 1.4 Emergency telephone number

Emergency Phone # : +33 (0)9 75 18 14 07 (CHEMTREC)
+33 (0)1 45 42 59 59 (I.N.R.S.)

This is a summary SDS for a kit. For the full SDS for each of the components listed in section 16 please visit our website.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Corrosive to metals, (Category 1) H290: May be corrosive to metals.

### 2.2 Label elements

**Labelling according Regulation (EC) No 1272/2008**

Pictogram



Signal Word Warning



The life science business of Merck operates as MilliporeSigma in the US and Canada

| | |
|---|---|
| Hazard Statements | |
| H290 | May be corrosive to metals. |
| Precautionary Statements | |
| P234 | Keep only in original packaging. |
| P390 | Absorb spillage to prevent material damage. |
| Supplemental Hazard Statements | none |

**Reduced Labelling (<= 125 ml)**

| | |
|---|---|
| Pictogram | none |
| Signal Word | Warning |
| Hazard Statements | none |
| Precautionary Statements | none |
| Supplemental Hazard Statements | none |

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information:
The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Ecological information:
The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Toxicological information:
The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Toxicological information:
The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

Refer to component SDS

## SECTION 4: First aid measures

Refer to component SDS



The life science business of Merck operates as MilliporeSigma in the US and Canada

## SECTION 5: Firefighting measures

Refer to component SDS

## SECTION 6: Accidental release measures

Refer to component SDS

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

For precautions see section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage conditions**
Keep container tightly closed in a dry and well-ventilated place. Store in cool place. No metal containers.
Tightly closed.
**Storage stability**Recommended storage temperature
-20 °C
**Storage class**
Storage class (TRGS 510): 10: Combustible liquids

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## SECTION 8: Exposure controls/personal protection

Refer to component SDS

## SECTION 9: Physical and chemical properties

Refer to component SDS

## SECTION 10: Stability and reactivity

Refer to component SDS

## SECTION 11: Toxicological information

Refer to component SDS

## SECTION 12: Ecological information

Refer to component SDS



The life science business of Merck operates as MilliporeSigma in the US and Canada

## SECTION 13: Disposal considerations

Refer to component SDS

## SECTION 14: Transport information

**14.1 UN number**

ADR/RID: 3264 IMDG: 3264 IATA: 3264

**14.2 UN proper shipping name**

ADR/RID: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulphuric acid)
IMDG: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulphuric acid)
IATA: Corrosive liquid, acidic, inorganic, n.o.s. (sulphuric acid)

**14.3 Transport hazard class(es)**

ADR/RID: 8 IMDG: 8 IATA: 8

**14.4 Packaging group**

ADR/RID: III IMDG: III IATA: III

**14.5 Environmental hazards**

ADR/RID: no IMDG Marine pollutant: no IATA: no

**14.6 Special precautions for user**

Tunnel restriction code : (E)

Further information : No data available

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable for product as supplied.

## SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
Refer to component SDS

**15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out

## SECTION 16: Other information

**Kit Components:**

| | | |
|---|---|---|
| Lyophilized Human IL-10 Protein Standard (Item C) | Sigma | RAB0244C |
| Biotinylated Human IL-10 Detection Antibody (Item F) | Sigma | RAB0244D |
| 20X Wash Buffer (Item B) | Sigma | RABWASH4 |
| HRP-Streptavidin (Item G) | Sigma | RABHRP5 |



The life science business of Merck operates as MilliporeSigma in the US and Canada

| | | | |
|---|---|---|---|
| ELISA Colorimetric TMB Reagent (HRP Substrate, Item H) | Sigma | RABTMB3 | |
| ELISA Stop Solution (Item I) | Sigma | RABSTOP3 | Met. Corr. 1; H290 |
| ELISA 1X Assay/Sample Diluent Buffer A (Item D1) | Sigma | RABELADA | |
| ELISA 5X Assay/Sample Diluent Buffer B (Item E1) | Sigma | RABELADB | |

**Relevant changes since previous version**

7. Handling and storage

**Full text of other abbreviations**

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative



The life science business of Merck operates as MilliporeSigma in the US and Canada

**Further information**

Copyright 2025 Sigma-Aldrich Co. LLC. License granted to make unlimited paper copies for internal use only.

The above information is believed to be correct but does not purport to be shall not be held liable for any damage resulting from handling or from c for additional terms and conditions of sale.

The information is believed to be correct but is not exhaustive and will be used solely as a guideline, which is based on current knowledge of the chemical substance or mixture and is applicable to appropriate safety precautions for the product. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

Copyright 2025 Sigma-Aldrich Co. LLC. License granted to make unlimited paper copies for internal use only.

The branding on the header and/or footer of this document may temporarily not visually match the product purchased as we transition our branding. However, all of the information in the document regarding the product remains unchanged and matches the product ordered. For further information please contact mlsbranding@sial.com.



The life science business of Merck operates as MilliporeSigma in the US and Canada

# Kit Components:

| Lyophilized Human IL-10 Protein Standard (Item C) | | | | | |
|---|---|---|---|---|---|
| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary statements | Supplemental information |
| Sigma - RAB0244C | | | | | No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required. |

| Biotinylated Human IL-10 Detection Antibody (Item F) | | | | | |
|---|---|---|---|---|---|
| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary statements | Supplemental information |
| Sigma - RAB0244D | | | | | No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required. |

| 20X Wash Buffer (Item B) | | | | | |
|---|---|---|---|---|---|
| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary statements | Supplemental information |
| Sigma - RABWASH4 | | | | | No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required. |

| HRP-Streptavidin (Item G) | | | | | |
|---|---|---|---|---|---|
| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary statements | Supplemental information |
| Sigma - RABHRP5 | | | | | No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required. |



The life science business of Merck operates as MilliporeSigma in the US and Canada

| ELISA Colorimetric TMB Reagent (HRP Substrate, Item H) | | | | | |
|---|---|---|---|---|---|
| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary statements | Supplemental information |
| Sigma - RABTMB3 | | | | | No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required. |

| ELISA Stop Solution (Item I) | | | | | |
|---|---|---|---|---|---|
| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary statements | Supplemental information |
| Sigma - RABSTOP3 |  | Warning | May be corrosive to metals. | Keep only in original packaging. Absorb spillage to prevent material damage. | |

| ELISA 1X Assay/Sample Diluent Buffer A (Item D1) | | | | | |
|---|---|---|---|---|---|
| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary statements | Supplemental information |
| Sigma - RABELADA | | | | | No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required. |

| ELISA 5X Assay/Sample Diluent Buffer B (Item E1) | | | | | |
|---|---|---|---|---|---|
| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary statements | Supplemental information |
| Sigma - RABELADB | | | | | No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required. |



The life science business of Merck operates as MilliporeSigma in the US and Canada