

---

**MATERIAL SAFETY DATA SHEET**
**Product name:**
**Catalog number:**

Cxcl10 (Rat) ELISA Kit

KA2203

**1. Composition/Information on Ingredients**

Component	Size
Antibody coated microwells	96 wells
Biotin-Conjugated Detection Antibody	1 vial
Avidin-HRP Conjugate	10 µl
Cytokine Protein Standard	1 vial
Ready-to-Use Substrate	11 ml
Stop Solution	11 ml
Wash Buffer (10X)	50 ml
Protein Standard Diluent	15 ml
Detection Antibody Diluent	15 ml
HRP Diluent	15 ml

**2. Hazards Identification**

<u>Known Hazardous Components</u>	<u>CAS Number</u>	<u>Percent</u>
Tween-20:	9005-64-5	
Wash Buffer (10X)		0.5%

<u>Known Hazardous Components</u>	<u>CAS Number</u>	<u>Percent</u>
BSA:	9048-46-8	
Antibody Diluent		0.1%
Protein Standard Diluent		0.1%

<u>Known Hazardous Components</u>	<u>CAS Number</u>	<u>Percent</u>
Kathon CG/ICP:	96118-96-6	
Antibody Diluent		0.2 %
Protein Standard Diluent		0.2 %

<u>Known Hazardous Components</u>	<u>CAS Number</u>	<u>Percent</u>
-----------------------------------	-------------------	----------------

3,3', 5,5' – tetramethylbenzidine:	54827-17-7	
Ready-to-Use Substrate		0.05 %

<u>Known Hazardous Components</u>	<u>CAS Number</u>	<u>Percent</u>
Sulfuric acid:	7664-93-9	
Stop Solution		2N

### 3. First Aid Measures

First aid personnel should ensure self-protection.

General informations: Because of the low concentrations of the ingredients seeing a doctor is not necessary.

In case of skin contact: If any component of this kit contacts the skin, immediately wash the affected area thoroughly with soap and copious amounts of water. If irritation persists, contact a physician.

In case of eye contact: If any component of this kit contacts the eyes, immediately flush the eye with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. If irritation persists, contact a physician immediately.

In case of ingestion: If any component of this kit is swallowed, wash mouth thoroughly and drink a large amount of water. If vomiting or not breathing, consult a physician or Poison Control Center immediately.

In case of inhalation: If any component of this kit is inhaled, move the affected individual to an area with fresh air. If not breathing, perform CPR and get immediate medical attention.

### 4. Fire Fighting Measures

Flammability: May be combustible at high temperatures.

Flash Point: Not available.

Extinguishing Media: Use dry chemicals.

Unusual Fire and Explosion Hazard: None known.

## 5. Accidental Release Measures

In event of spill or leak:

1. Wear lab coat, chemical resistant gloves and safety glasses.
2. Wipe up all spills with a suitable absorbent and dispose properly.
3. Wash down the spill site.
4. Dispose in accordance with all federal, state and local regulations.

## 6. Handling and Storage

### Handling

Put on appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Keep in the original containers; expiry date is printed on the kit box label. Take care to keep workplace clean and dry. The substances used should not be present at the place of work in quantities above those required for carrying out the work. Do not leave containers open.

### Storage

If used frequently, reagents may be stored at 2-8°C. If used infrequently, reagents should be stored at -20°C.

## 7. Exposure controls/personal protection

### Hands

Chemical-resistance, impervious gloves complying with an approved standard should be worn at all times when handling chemical and biological products if a risk assessment indicates this is necessary.

### Eyes

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dusts.

### Skin

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this kit.

## 8. Physical and Chemical Properties

Detection Antibody: Lyophilized powder/film with non-reactive stabilizer

Protein Standard: Lyophilized powder/film with non-reactive stabilizer

Ready-to-Use Avidin-HRP Conjugate Solution: Clear solution

Ready-to-Use Substrate: Clear solution

Stop Solution: Clear solution

**Note:** Boiling points, vapor pressure, vapor density, specific gravity, melting point and evaporation rate not available.

#### **9. Stability and Reactivity**

Stability and Reactivity: Product stable at 4°C or lower.

Conditions to Avoid: Not available.

Materials to Avoid: Not available.

Hazardous Decomposition Products: Not available.

#### **10. Toxicological Information**

Toxicology to Animals: LD50/LC50, not available.

Chronic Effect on Humans: Not available.

Other Toxic Effects on Humans: May cause slight irritation in case of eye contact, inhalation or ingestion.

#### **11. Ecological information**

No known significant effects or critical hazards.

Further ecological information

Do not allow to enter waters, waste water or soil.

Due to the small size of the containers and the low concentrations of hazardous ingredients, risks are minor.

#### **12. Disposal guidelines**

Product: Must be disposed in compliance with the respective national regulations.

Packaging: Must be disposed in compliance with the respective national regulations.

#### **13. Transport information**

Overland transportation (ADR/RID): As a mixture, the substance is subject to no limitations.

Transatlantic transportation (IMDG): As a mixture, the substance is subject to no limitations.

Air transportation (ICAO/IATA): As a mixture, the substance is subject to no limitations.

#### **14. Regulatory information**

No single component contains a hazardous ingredient in an amount that requires identification and labeling according to EC directives.

**15. Other**

For research use only.

For Professional use only.

Read instructions for use before using the product. The customer is responsible for determining the PPE code for this material. To the best of our knowledge, the information contained herein is accurate. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.

Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.