

**Product line: # 18101 - # 18591****Antibodies, labeled Antibodies (purified immunoglobulin)**

18101	Anti-Human c-Kit (K963) Rabbit IgG Affinity Purify	18365	Anti-Human GRO $\beta$ (C) Rabbit IgG Affinity Purify
18105	Anti-Human c-Kit (K963) Rabbit IgG Affinity Purify FITC	18371	Anti-Rat MCP-1 (N) Rabbit IgG Affinity Purify
18111	Anti-Human SCF (K089) Rabbit IgG Affinity Purify	18381	Anti-Human JAB/SOCS-1 (J192) Rabbit IgG Affinity Purify
18114	Anti-Human SCF (K151) Rabbit IgG Affinity Purify	18391	Anti-Human CIS3/SOCS-3 (C204) Rabbit IgG Affinity Purify
18115	Anti-Human SCF (K165) Rabbit IgG Affinity Purify	18395	Anti-Human CIS3/SOCS-3 (C005) Rabbit IgG Affinity Purify
18116	Anti-Human SCF (K236) Rabbit IgG Affinity Purify	18401	Anti-Human IL-8 (C) Rabbit IgG Affinity Purify
18121	Anti-Human c-Ret (R787) Rabbit IgG Affinity Purify	18411	Anti-Human VEGF (V-N) Rabbit IgG Affinity Purify
18128	Anti-Human c-Ret (Long Isoform) Rabbit IgG Affinity Purify	18413	Anti-Human VEGF (V-3) Rabbit IgG Affinity Purify
18131	Anti-Human HGF $\alpha$ (H55) Rabbit IgG Affinity Purify	18415	Anti-Human VEGF-C(103) Rabbit IgG Affinity Purify
18132	Anti-Human HGF $\beta$ (H714) Rabbit IgG Affinity Purify	18420	Anti-Rat VEGF (V-N) Rabbit IgG Affinity Purify
18133	Anti-Human HGF $\alpha$ (H163) Rabbit IgG Affinity Purify	18435	Anti-Human KDR (C) Rabbit IgG Affinity Purify
18134	Anti-Human HGF $\beta$ (H495) Rabbit IgG Affinity Purify	18501	Anti-Human TPO Rabbit IgG Affinity Purify
18135	Anti-Human HGF $\alpha$ (H487) Rabbit IgG Affinity Purify	18505	Anti-Human c-MPL-P (M617) Rabbit IgG Affinity Purify
18141	Anti-Rat IL-1 $\beta$ (C) Rabbit IgG Affinity Purify	18511	Anti-Human COX-1 (C24) Rabbit IgG Affinity Purify
18163	Anti-Human FHIT (F130) Rabbit IgG Affinity Purify	18515	Anti-Human COX-2 (C295) Rabbit IgG Affinity Purify
18171	Anti-Human ApoE (A299) Rabbit IgG Affinity Purify	18516	Anti-Human COX-2 (C631) Rabbit IgG Affinity Purify
18201	Anti-Endothelin-1 Rabbit IgG Affinity Purify	18521	Anti-Rat COX-1 (C448) Rabbit IgG Affinity Purify
18202	Anti-Endothelin-3 Rabbit IgG Affinity Purify	18525	Anti-Rat COX-2 (C580) Rabbit IgG Affinity Purify
18203	Anti-Human Big Endothelin-1 (22-38) Rabbit IgG Affinity Purify	18531	Anti-Human RON (G1385) Rabbit IgG Affinity Purify
18204	Anti-Endothelin (15-21) (C) Rabbit IgG Affinity Purify	18541	Anti-Human Tie-1 (N1125) Rabbit IgG Affinity Purify
18205	Anti-Rat Big Endothelin-1 (22-38) Rabbit IgG Affinity Purify	18545	Anti-Human Leptin (C) Rabbit IgG Affinity Purify
18251	Anti-Rat GRO/CINC-1 Rabbit IgG	18546	Anti-Rat Leptin (C) Rabbit IgG Affinity Purify
18275	Anti-Rat GRO/CINC-2 $\alpha$ (C) Rabbit IgG Affinity Purify	18547	Anti-Mouse Leptin (C) Rabbit IgG Affinity Purify
18276	Anti-Rat GRO/CINC-2 $\beta$ (C) Rabbit IgG Affinity Purify	18571	Anti-Human N-Cadherin (YS) Rabbit IgG Affinity Purify
18281	Anti-Rat HGF $\alpha$ (H56) Rabbit IgG Affinity Purify	18573	Anti-Human N-Cadherin (224) Rabbit IgG Affinity Purify
18285	Anti-Rat TNF- $\alpha$ Rabbit IgG Affinity Purify	18574	Anti-Human N-Cadherin (760) Rabbit IgG Affinity Purify
18296	Anti-Mouse MIP-2 Rabbit IgG	18580	Anti-Human Amyloid $\beta$ (1-40) Rabbit IgG Affinity Purify
18297	Anti-Mouse MIP-2 (C) Rabbit IgG Affinity Purify	18582	Anti-Human Amyloid $\beta$ (1-42) Rabbit IgG Affinity Purify
18321	Anti-Human c-Met $\beta$ Rabbit IgG Affinity Purify	18583	Anti-Human Amyloid $\beta$ (1-43) Rabbit IgG Affinity Purify
18341	Anti-Human Fatty Acid Synthase (FAS) Rabbit IgG Affinity Purify	18584	Anti-Human Amyloid $\beta$ (N) Rabbit IgG Affinity Purify
18361	Anti-Mouse KC Rabbit IgG	18591	Anti-Human Amyloid $\beta$ (N3pE) Rabbit IgG Affinity Purify

# IBL Material Safety Data Sheet

## 1. Identification of substance/mixture and company information

Product : Listed on the front cover.

Product detail : Antibody or labeled Antibody, (Lyophilized)

### Manufacturer /Supplier of the safety data sheet

Immuno-Biological Laboratories Co., Ltd.


1091-1 Naka, Fujioka-shi, Gunma 375-0005, JAPAN

TEL: +81 (0)274-22-2889 FAX: +81 (0)274-23-6055

URL: <http://www.ibl-japan.co.jp/eng/> E-Mail: [do-ibl@ibl-japan.co.jp](mailto:do-ibl@ibl-japan.co.jp)

## 2. Composition/information on ingredients

- **Chemical characterization:** Mixture
- **Description:** Mixture of substance below as a hazardous additive (preservative).

Dangerous substance:	CAS Number	Percent (w/w) %
Sodium azide 	26628-22-8	5 % (After reconstitution, 0.05 % in w/v %)

- **Additional information:**  
This product is poisonous substance under control law in Japan.

Below are information as  $\text{NaN}_3$

## 3. Hazard identification

- **Hazard description:**  
Very hazardous in case of skin contact (irritant), of eye contact (irritant). Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator). Severe over-exposure can result in death.  
Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
- **Information concerning to particular hazards to man and environment:**  
Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.  
Dangerous for the environment.

## 4. First aid measures

- **Eye Contact:**  
Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.
- **Skin Contact:**  
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin.  
Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.  
Wash contaminated clothing before reusing.
- **Serious Skin Contact:**  
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.
- **Inhalation:** Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
- **Serious Inhalation:**

*For research use only, not for use in diagnostic procedures.*

Immuno-Biological Laboratories Co., Ltd.

URL: <http://www.ibl-japan.co.jp> E-mail: [do-ibl@ibl-japan.co.jp](mailto:do-ibl@ibl-japan.co.jp)

1/4

MSDS\_e\_Antibodies

4/17/2012

---

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

· **Ingestion:**

Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

· **Serious Ingestion:** Not available.

### 5. Fire fighting measures

· **Flammability of the Product:** May be combustible at high temperature.

· **Auto-Ignition Temperature:** Not available.

· **Flash Points:** Not available.

· **Flammable Limits:** Not available.

· **Products of Combustion:** Some metallic oxides.

· **Fire Hazards in Presence of Various Substances:** Highly flammable in presence of shocks.

· **Explosion Hazards in Presence of Various Substances:**

Risks of explosion of the product in presence of static discharge: Not available.

Highly explosive in presence of shocks, of metals.

· **Fire Fighting Media and Instructions:**

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

· **Special Remarks on Fire Hazards:** Not available.

· **Special Remarks on Explosion Hazards:** Not available.

### 6. Accidental release measures

· **Measures for environmental protection:**

Not to flow into the river etc. , and collect what flows out with sand or other nonflammable absorbents.

Do not allow to enter sewers/ surface or ground water.

· **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

### 7. Handling and storage

· **Precautions:**

Keep locked up. Keep away from heat. Keep away from sources of ignition. Avoid contact with skin and eyes. Keep away from incompatibles such as metals.

· **Storage:**

Keep container dry. Keep in a cool place. Keep in a cool, well-ventilated place. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room.

### 8. Exposure control and personal protection gear

· **Engineering Controls:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

· **Personal Protection:**

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

### 9. Physical and chemical properties

· <b>Chemical formulae:</b>	NaN <sub>3</sub>
· <b>Molecular weight:</b>	65.01

· <b>Form:</b>	Powder
· <b>Colour:</b>	Not available
· <b>Odour:</b>	Not available
· <b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Decomposes
<b>Boiling point/Boiling range:</b>	Not available
· <b>Flash point:</b>	Not available
· <b>Self-igniting:</b>	Not self-igniting.
· <b>Density:</b>	Not determined
· <b>Solubility in / Miscibility with Water:</b>	Soluble in cold water

#### 10. Stability and reactivity

- **Stability:** Unstable.
- **Instability Temperature:** Not available.
- **Conditions of Instability:** Not available.
- **Incompatibility with various substances:** Extremely reactive or incompatible with metals.
- **Special Remarks on Reactivity:** Not available.

#### 11. Toxicological information

- **Acute toxicity:** Poison
- **Routes of Entry:** Eye contact. Inhalation. Ingestion.
- **Toxicity to Animals:**  
Acute oral toxicity (LD50): 27 mg/kg [Mouse].  
Acute dermal toxicity (LD50): 20 mg/kg [Rabbit].
- **Chronic Effects on Humans:** Not available.
- **Other Toxic Effects on Humans:**  
Very hazardous in case of skin contact (irritant).  
Hazardous in case of ingestion, of inhalation.  
Slightly hazardous in case of skin contact (permeator).
- **Special Remarks on Toxicity to Animals:** Not available.
- **Special Remarks on Chronic Effects on Humans:** Not available.
- **Special Remarks on other Toxic Effects on Humans:** Not available.

#### 12. Ecological information

- **Ecotoxicity:** Not available.
- **Products of Biodegradation:**  
Possibly hazardous short/long term degradation products are to be expected.
- **Toxicity of the Products of Biodegradation:** The products of degradation are more toxic.
- **Special Remarks on the Products of Biodegradation:** Not available.

#### 13. Disposal consideration

- **Recommendation:** Dispose in accordance with country and local regulations.

#### 14. Transport information

- **DOT Classification:** CLASS 6.1; Poisonous material.
- **Identification:** Sodium azide      UN: 1687      PG: II
- **Special Provisions for Transport:** Not available.

#### 15. Regulations

- **Labelling according to JP guidelines:**  
Poison by "Poisonous and Deleterious Substances Control Law" in Japan (> 0.1 %)
- **National regulations**  
**DSCL (EEC):**  
R38- Irritating to skin. R41-Risk of serious damage to eyes.

---

R41- Risk of serious damage to eyes.

**HMIS (U.S.A.):**

Health Hazard: 3

Fire Hazard: 1

Reactivity: 3

Personal Protection: E

**National Fire Protection Association (U.S.A.):**

Health: 3

Flammability: 1

Reactivity: 3

**16. Other information**

The above information is believed to be correct but does not purport to be all-inclusive and shall be used as a guide. Immuno-Biological Laboratories Co., Ltd. shall not be held liable for any damage resulting from handling or contact with the above product. The burden of safe use of these materials rests solely with the user.