Product line: # 28XXX, # 29XXX
Antibodies, labeled Antibodies (purified immunoglobulin)

28001 Anti-Rat C-ERC/Mesothelin (306) Rabbit IgG Affinity Purify 28085 Anti-Human LRG (329) Rabbit IgG Affinity Purify
28011 Anti-Human Raptor (R984) Rabbit IgG Affinity Purify 28101 Anti-Mouse/Rat Angiotensinogen (405) Rabbit IgG Affinity Purify
28013 Anti-Human mLST8 (L17) Rabbit IgG Affinity Purify 28103 Anti-Human Gastrin Receptor (OK-524) Rabbit IgG Affinity Purify
28015 Anti-Human Rheb (R165) Rabbit IgG Affinity Purify 28105 Anti-Mouse Fez1 Rabbit IgG Affinity Purify
28017 Anti-Human TSC1/Hamartin (T1149) Rabbit IgG Affinity Purify 28107 Anti-Human c-Ret (Y1062 Phosphorylated) Rabbit IgG Affinity Purify
28019 Anti-Human LRRK2 Rabbit IgG Affinity Purify 28111 Anti-Dock6 Rabbit IgG Affinity Purify
28021 Anti-APP (Phosphorylated) Rabbit IgG Affinity Purify 28113 Anti-Dock8 Rabbit IgG Affinity Purify
28023 Anti-Drebrin A (DA52) Rabbit IgG Affinity Purify 28117 Anti-Human T61/KIAA0406 Rabbit IgG Affinity Purify
28029 Anti-Smad3L (Ser 208/213 Phosphorylated) Rabbit IgG Affinity Purify 28119 Anti-Human CD109 (461) Rabbit IgG Affinity Purify
28031 Anti-Smad3C (Ser 423/425 Phosphorylated) Rabbit IgG Affinity Purify 28121 Anti-GFAT1 (663) Rabbit IgG Affinity Purify
28033 Anti-Human PRAS40 (P238) Rabbit IgG Affinity Purify 28123 Anti-Human GFAT1 (S243 Phosphorylated) Rabbit IgG Affinity Purify
28035 Anti-Human PRAS40 (S183 Phosphorylated) Rabbit IgG Affinity Purify 28125 Anti-Rat CyCAP (74) Rabbit IgG Affinity Purify
28037 Anti-Human Raptor (R1) Rabbit IgG Affinity Purify 28127 Anti-Mouse C-ERC/Mesothelin (308) Rabbit IgG Affinity Purify
28039 Anti-Human Rictor (R1291) Rabbit IgG Affinity Purify 28129 Anti-Human NiBAN (C) Rabbit IgG Affinity Purify
28041 Anti-GZF1 Rabbit IgG Affinity Purify 28131 Anti-Rat NiBAN (53) Rabbit IgG Affinity Purify
28043 Anti-SEPI Rabbit IgG Affinity Purify 28133 Anti-Human APP770 (351) Rabbit IgG Affinity Purify
28045 Anti-Rat RgMA Rabbit IgG Affinity Purify 28135 Anti-OPRT Rabbit IgG Affinity Purify
28047 Anti-a2,6-Sialyltransferase (M2) Rabbit IgG Affinity Purify 28137 Anti-Human RIG-I (CTD) Rabbit IgG Affinity Purify
28049 Anti-Human Podoplanin Rabbit IgG Affinity Purify 28141 Anti-Human CAD (2194) Rabbit IgG Affinity Purify
28051 Anti-BACE1 (42) Rabbit IgG Affinity Purify 28143 Anti-Human Girdin (Phospho-Y1798) Rabbit IgG A.P.
28053 Anti-APP (18) Rabbit IgG Affinity Purify (Affinity Purify) 28145 Anti-Human Girdin (Phospho-Y1764) Rabbit IgG A.P.
28055 Anti-Mouse/Rat APP (597) Rabbit IgG Affinity Purify (Affinity Purify) 28147 Anti-Human Girdin (Phospho-Y1764) Rabbit IgG A.P.
28057 Anti-Human Dock7 Rabbit IgG Affinity Purify 28149 Anti-Human Girdin (Phospho-Y1764) Rabbit IgG A.P.
28059 Anti-Human XIAP Rabbit IgG Affinity Purify 28153 Anti-Human LRAT (Lechithin Retinol Acyltransferase) (031)
28061 Anti-Human CD109 (1383) Rabbit IgG Affinity Purify Rabbit IgG A.P.
28063 Anti-Human GBF1 (1844) Rabbit IgG Affinity Purify 29020 Anti-Human MDA5 Rabbit IgG Affinity Purify
28065 Anti-Human GBF1 (T1337 Phosphorylated) Rabbit IgG Affinity Purify 29022 Anti-Human MDA5 Rabbit IgG Affinity Purify
28067 Anti-Human Girdin (S1416 Phosphorylated) 29030 Anti-Human LGP2 Rabbit IgG Affinity Purify
28069 Rabbit IgG Affinity Purify 29040 Anti-Human Podocin Rabbit IgG Affinity Purify
28061 Anti-Human CD109 (1383) Rabbit IgG Affinity Purify 29040 Anti-Human Podocin Rabbit IgG Affinity Purify
28063 Anti-Human GBF1 (1844) Rabbit IgG Affinity Purify 29050 Anti-Human Nephrin (N) Rabbit IgG Affinity Purify
28065 Anti-Human GBF1 (T1337 Phosphorylated) Rabbit IgG Affinity Purify 29060 Anti-Human CRMP-2 (Phosphorylated) (3F4)
28067 Anti-Human Girdin (S1416 Phosphorylated) 29060 Anti-Human CRMP-2 (Phosphorylated) (3F4)
28069 Rabbit IgG Affinity Purify Mouse IgG MoAb
28073 Anti-Human C4.4A (301) Rabbit IgG Affinity Purify Anti-Human Nephrin (N) Rabbit IgG Affinity Purify
28075 Anti-Mouse LRAT (168) Rabbit IgG Affinity Purify Mouse IgG MoAb
28079 Anti-Human Dock7 (Y1118 Phosphorylated) Rabbit IgG Affinity Purify Mouse IgG MoAb
28083 Anti-c-Met (Y1235 Phosphorylated) Rabbit IgG Affinity Purify
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
Immuo-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

2. Composition/information on ingredients

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

<table>
<thead>
<tr>
<th>Dangerous substance:</th>
<th>CAS Number</th>
<th>Percent (w/w) %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide</td>
<td>26628-22-8</td>
<td>5 %</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(After reconstitution, 0.05 % in w/v %)</td>
</tr>
</tbody>
</table>

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

Below are information as NaN

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:
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

- **Chemical formulae:** NaN₃
- **Molecular weight:** 65.01
- **Form:** Powder
For research use only, not for use in diagnostic procedures.

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
  - DSCCL (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.