Product line: # 10XXX
Antibodies, labeled Antibodies (purified immunoglobulin)

10011 Anti-Human Osteopontin (10A16) Mouse IgG MoAb
10017 Anti-Human 14-3-3 + Protein (33A) Mouse IgG MoAb
10025 Anti-Human ApoE4 (5B5) Mouse IgG MoAb
10027 Anti-Human Amyloid β (11-28) (12B2) Mouse IgG MoAb
10031 Anti-Tob (4B1) Mouse IgG MoAb
10037 Anti-Human 14-3-3 γ Protein (63A1) Mouse IgG MoAb
10038 Anti-Human Fatty Acid Synthase (FAS) (14G5) Mouse IgG MoAb
10045 Anti-Human Amyloid β (N3E3) (8E1) Mouse IgG MoAb
10047 Anti-Human Amyloid β (35-40) (1A10) Mouse IgG MoAb
10076 Anti-Tight Junction-Associated Protein (7H6) Mouse IgM MoAb
10078 Anti-Rat Hepatic Sinusoidal Endothelial Cells (SE-1) Mouse IgG MoAb
10094 Anti-Human CEA (1B2) Mouse IgG MoAb
10096 Anti-Neurofilament, 160K, 210K, (N21-8-4) Mouse Ascites MoAb
10097 Anti-S-100 Protein (2A10) Mouse Ascites MoAb
10098 Anti-Human Plateletlets (KOR-P77) Mouse IgG MoAb
10099 Anti-Human Glycophorin A (KOR-E6) Mouse IgG MoAb
10101 Anti-Human Lag (Langerhans Cells), (4D12) Mouse IgG MoAb
10121 Anti-Rat MCP-1 (MB10) Mouse IgG MoAb
10131 Anti-Human KGF (5J2) Mouse IgG MoAb
10133 Anti-Human KGF (8A4) Mouse IgG MoAb
10141 Anti-Human CIS3/SOCS-3 (19A5) Mouse IgG MoAb
10151 Anti-Human Presenilin-1 (17C2) Mouse IgG MoAb
10161 Anti-Human Rad51 (1B1) Mouse IgG MoAb
10171 Anti-Human OGG1 (7E2) Mouse IgG MoAb
10191 Anti-Human Osteopontin (1B20) Mouse IgG MoAb
10201 Anti-Human MDMX (77A1) Mouse IgG MoAb
10211 Anti-Human COX-2 (13H14) Mouse IgG MoAb
10221 Anti-Human Napsin A (TMU-Ad02) Mouse IgG MoAb
10233 Anti-Human Tau/Amino Junction (9A1) Mouse IgG MoAb
10235 Anti-Human Tau/E2 Junction (1A1) Mouse IgG MoAb
10237 Anti-Human Tau/Repeat Domain (2B11) Mouse IgG MoAb
10241 Anti-Human Parkin (1A1) Mouse IgG MoAb
10243 Anti-Human Parkin (5A1) Mouse IgG MoAb
10253 Anti-Human Endothelin-B Receptor (8Z11) Mouse IgG MoAb
10281 Anti-Human MBD3 (3A3) Mouse IgG MoAb
10301 Anti-Human ORP150 (Oxygen Regulated Protein, p150) (2F07) Mouse IgG MoAb
10321 Anti-Human sAPPβ-sw (6A1) Mouse IgG MoAb
10323 Anti-Human Amyloid β (N) (82E1) Mouse IgG MoAb
10326 Anti-Human Amyloid β (N) (82E1) Mouse IgG MoAb
10335 Anti-Human Tenascin-C (Domain B) (4C8MS) Mouse IgG MoAb
10337 Anti-Human Tenascin-C (EGF Like Domain) (4F10TT) Mouse IgG MoAb
10344 Anti-mTOR (N5D11) Mouse IgG MoAb
10345 Anti-Rat Occulin (1A8) Mouse IgM MoAb
10347 Anti-Human KDR (2B31) Mouse IgG MoAb
10349 Anti-Human c-Kit (12A8) Mouse IgG MoAb
10351 Anti-Human PDGFRβ (22B1) Mouse IgG MoAb
10353 Anti-Human Tie-1 (9C1) Mouse IgG MoAb
10357 Anti-Human c-ERC/Mesothelin (22A31) Mouse IgG MoAb
10359 Anti-Human ERK (Clone 5) Mouse IgG MoAb
10361 Anti-Mouse LEC26 (LA102) Rat IgG MoAb
10363 Anti-Mouse BEC12 (LA5) Rat IgG MoAb
10367 Anti-Human Retinolocalbin-1 (TMU-6A1) Mouse IgG MoAb
10369 Anti-Human TEK/Tie-2 (2A1) Mouse IgG MoAb
10371 Anti-Human NP95 (m40) Mouse IgG MoAb
10373 Anti-Mouse ALK (mAb 16-39) Rat IgG MoAb
10375 Anti-Human SP-A (PE10) Mouse IgG MoAb
10377 Anti-Human RGMa (410-10) Mouse IgG MoAb
10379 Anti-Human Amyloid β E22P (11A1) Mouse IgG MoAb
10381 Anti-Human CD109 (11H3) Mouse IgG MoAb
10383 Anti-Human Intelecin-1 (3G9) Mouse IgG MoAb
10385 Anti-Smad2/3L (T220/T179 Phosphorylated) (1A1) Mouse IgG MoAb
10387 Anti-Smad3L (S213 Phosphorylated) (5A11) Mouse IgG MoAb
10389 Anti-Human IDH1 R132H (HMab-1) Mouse IgG MoAb
10391 Anti-Human IDH1 R132S (SMab-1) Mouse IgG MoAb
10401 Anti-Mouse c-MPL/TPOR (AMM2) Rat IgG MoAb
10403 Anti-Mouse c-MPL/TPOR (AMM2) Rat IgG MoAb
10405 Anti-Human Niban (110C4) Mouse IgG MoAb
10408 Anti-Poly (ADP-ribose) (10H) Mouse IgG MoAb
10409 Anti-TPS (ATYMSMA) Mouse IgG MoAb
10411 Anti-DPD (ADPYDMAB) Mouse IgG MoAb
10413 Anti-TP (ATYSMPMA) Mouse IgG MoAb
10415 Anti-Human CD20 (N) (4-6H2C) Mouse IgG MoAb
10417 Anti-Human Angiotensinogen (104AT 601.2.80) Mouse IgG MoAb
10431 Anti-SSEA-3 (15B11) Mouse IgG MoAb
10501 Anti-PP (Pancreatic Polypeptide) (23-203) Mouse IgG MoAb
10503 Anti-HA-tag (6B3) Mouse IgG MoAb
10777 Anti-Human Gd-IgG1(KM55) Rat IgG MoAb
10901 Anti-HIV-1 p24 (NP-24) Mouse IgG MoAb
10903 Anti-HIV-1 p24 (2C2) Mouse IgG MoAb
10905 Anti-CD25 (H-8) Mouse IgG MoAb
10907 Anti-CD25 (H-48) Mouse IgG MoAb
10909 Anti-CD134/OX40 (B7-5B) Mouse IgG MoAb
10911 Anti-CD134/OX40 (W4-54) Rat IgG MoAb
10913 Anti-CD134/OX40 (B8-11) Mouse IgG MoAb
10915 Anti-CD252/OX40L (TAG34) Mouse IgG MoAb
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

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>(After reconstitution, 0.05 % in w/v %)</td>
<td></td>
<td></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**
  - **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.