

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

10011	Anti-Human Osteopontin (10A16) Mouse IgG MoAb	10337	Anti-Human Tenascin-C (EGF Like Domain) (4F10TT) Mouse IgG MoAb
10017	Anti-Human 14-3-3 τ Protein (33A) Mouse IgG MoAb	10343	Anti-mTOR (N5D11) Mouse IgG MoAb
10025	Anti-Human ApoE4 (5B5) Mouse IgG MoAb	10345	Anti-Rat Occludin (1A8) Mouse IgM MoAb
10027	Anti-Human Amyloid β (11-28) (12B2) Mouse IgG MoAb	10347	Anti-Human KDR (23B31) Mouse IgG MoAb
10031	Anti-Tob (4B1) Mouse IgG MoAb	10349	Anti-Human c-Kit (12A8) Mouse IgG MoAb
10037	Anti-Human 14-3-3 γ Protein (63A1) Mouse IgG MoAb	10351	Anti-Human PDGFR β (22B1) Mouse IgG MoAb
10038	Anti-Human Fatty Acid Synthase (FAS) (14G5) Mouse IgG MoAb	10353	Anti-Human Tie-1 (9C1) Mouse IgG MoAb
10045	Anti-Human Amyloid β (N3pE) (8E1) Mouse IgG MoAb	10357	Anti-Human C-ERC/Mesothelin (22A31) Mouse IgG MoAb
10047	Anti-Human Amyloid β (35-40) (1A10) Mouse IgG MoAb	10359	Anti-Human ERK (Clone 5) Mouse IgG MoAb
10076	Anti-Tight Junction-Associated Protein (7H6) Mouse IgM MoAb	10361	Anti-Mouse LEC26 (LA102) Rat IgG MoAb
10078	Anti-Rat Hepatic Sinusoidal Endothelial Cells (SE-1) Mouse IgG MoAb	10363	Anti-Mouse BEC12 (LA5) Rat IgG MoAb
10094	Anti-Human CEA (1B2) Mouse IgG MoAb	10367	Anti-Human Reticulocalbin-1 (TMU-6A1) Mouse IgG MoAb
10096	Anti-Neurofilament, 160K, 210K, (N21-8-4) Mouse Ascites MoAb	10369	Anti-Human TEK/Tie-2 (2A1) Mouse IgG MoAb
10097	Anti-S-100 Protein (2A10) Mouse Ascites MoAb	10371	Anti-Human NP95 (mt40) Mouse IgG MoAb
10098	Anti-Human Platelets (KOR-P77) Mouse IgG MoAb	10373	Anti-Mouse ALK (mAb 16-39) Rat IgG MoAb
10099	Anti-Human Glycophorin A (KOR-E6) Mouse IgG MoAb	10375	Anti-Human SP-A (PE10) Mouse IgG MoAb
10101	Anti-Human Lag (Langerhans Cells), (4D12) Mouse IgG MoAb	10377	Anti-Human RGMa (410-10) Mouse IgG MoAb
10121	Anti-Rat MCP-1 (MB10) Mouse IgG MoAb	10379	Anti-Human Amyloid β E22P (11A1) Mouse IgG MoAb
10131	Anti-Human KGF (5J2) Mouse IgG MoAb	10381	Anti-Human CD109 (11H3) Mouse IgG MoAb
10133	Anti-Human KGF (8A4) Mouse IgG MoAb	10383	Anti-Human Intelectin-1 (3G9) Mouse IgG MoAb
10135	Anti-Human KGF (11F1) Mouse IgG MoAb	10385	Anti-Smad2L/3L (T220/T179 Phosphorylated) (1A1) Mouse IgG MoAb
10141	Anti-Human CIS3/SOCS-3 (19A5) Mouse IgG MoAb	10387	Anti-Smad3L (S213 Phosphorylated) (5A11) Mouse IgG MoAb
10151	Anti-Human Presenilin-1 (17C2) Mouse IgG MoAb	10389	Anti-Human IDH1 R132H (HMab-1) Mouse IgG MoAb
10161	Anti-Human Rad51 (1B1) Mouse IgG MoAb	10391	Anti-Human IDH1 R132S (SMab-1) Mouse IgG MoAb
10171	Anti-Human OGG1 (7E2) Mouse IgG MoAb	10401	Anti-Mouse c-MPL/TPOR (AMM2) Rat IgG MoAb
10191	Anti-Human Osteopontin (1B20) Mouse IgG MoAb	10403	Anti-Mouse c-MPL/TPOR (AMM2) Rat IgG MoAb Biotin
10201	Anti-Human MDMX (77A1) Mouse IgG MoAb	10405	Anti-Human Niban (110C4) Mouse IgG MoAb
10211	Anti-Human COX-2 (13H14) Mouse IgG MoAb	10407	Anti-Poly (ADP-ribose) (10H) Mouse IgG MoAb
10221	Anti-Human Napsin A (TMU-Ad02) Mouse IgG MoAb	10409	Anti-TS (ATYMSMAB) Mouse IgG MoAb
10233	Anti-Human Tau/Amino Junction (9A1) Mouse IgG MoAb	10411	Anti-DPD (ADPYDMAB) Mouse IgG MoAb
10235	Anti-Human Tau/E2 Junction (1A1) Mouse IgG MoAb	10413	Anti-TP (ATYMPMAB) Mouse IgG MoAb
10237	Anti-Human Tau/Repeat Domain (2B11) Mouse IgG MoAb	10415	Anti-Human CD20 (N) (4-6H:2C) Mouse IgG MoAb
10241	Anti-Human Parkin (1A1) Mouse IgG MoAb	10417	Anti-Human Angiotensinogen (104AT 601.2.80) Mouse IgG MoAb
10243	Anti-Human Parkin (5A1) Mouse IgG MoAb	10431	Anti-SSEA-3 (15B11) Mouse IgG MoAb
10253	Anti-Human Endothelin-B Receptor (8Z11) Mouse IgG MoAb	10501	Anti-PP (Pancreatic Polypeptide) (23-2D3) Mouse IgG MoAb
10281	Anti-Human MBD3 (3A3) Mouse IgG MoAb	10503	Anti-HA-tag (6B3) Mouse IgG MoAb
10301	Anti-Human ORP150 (Oxygen Regulated Protein, p150) (2F07) Mouse IgG MoAb	10777	Anti-Human Gd-IgA1(KM55) Rat IgG MoAb
10321	Anti-Human sAPP β -sw (6A1) Mouse IgG MoAb	10901	Anti-HIV-1 p24 (NP-24) Mouse IgG MoAb
10323	Anti-Human Amyloid β (N) (82E1) Mouse IgG MoAb	10903	Anti-HIV-1 p24 (2C2) Mouse IgG MoAb
10326	Anti-Human Amyloid β (N) (82E1) Mouse IgG MoAb Biotin	10905	Anti-CD25 (H-8) Mouse IgG MoAb
10335	Anti-Human Tenascin-C (Domain B) (4C8MS) Mouse IgG MoAb	10907	Anti-CD25 (H-48) Mouse IgG MoAb
		10909	Anti-CD134/OX40 (B7-B5) Mouse IgG MoAb
		10911	Anti-CD134/OX40 (W4-54) Rat IgG MoAb
		10913	Anti-CD134/OX40 (B#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.
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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 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:**

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:	NaN ₃
· Molecular weight:	65.01
· Form:	Powder

· Colour:	Not available
· Odour:	Not available
· Change in condition	
Melting point/Melting range:	Decomposes
Boiling point/Boiling range:	Not available
· Flash point:	Not available
· Self-igniting:	Not self-igniting.
· Density:	Not determined
· Solubility in / Miscibility with Water:	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.