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Product datasheet for AM26533AF-N

Msln Rat Monoclonal Antibody [Clone ID: B35]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B35
Applications:	FC
Recommended Dilution:	**Flow Cytometry:** 10 µg/ml (final concentration).
Reactivity:	Human, Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Murine hemangioblast-like cell line LO
Specificity:	This antibody reacts with Mesothelin.
Formulation:	PBS containing 50% Glycerol, pH 7.2. No preservative is contained. State: Azide Free State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein G Agarose Chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store (in aliqouts) at -20 °C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	mesothelin
Database Link:	Entrez Gene 56047 Mouse Q61468
Background:	Mesothelin (MSLN) is a GPI-linked cell surface glycoprotein expressed in the mesothelial lining of the body cavities and in mullerian duct epithelium related cancer cells (ovarian, pancreatic cancer, mesothelioma). Both human and mouse mesothelin bind to ovarian cancer antigen CA125/MUC16 with high affinity, mediating cell attachment in vitro , suggesting that mesothelin may facilitate ovarian cancer metastasis.

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Synonyms: MSLN, MPF, CAK1 antigen

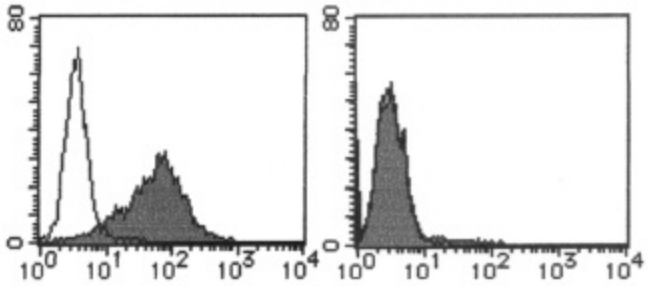
Note: This product was originally produced by MBL International.

Protocol:

Flow cytometric analysis for floating cells

We usually use Fisher tubes or equivalents as reaction tubes for all steps described below.
1) Wash the cells 3 times with washing buffer [PBS containing 2% fetal calf serum (FCS) and 0.1% NaN3].
2) Resuspend the cells with washing buffer (5x10e6 cells/mL).
3) Add 50 µL of the cell suspension into each tube, and centrifuge at 500 x g for 1 minute at room temperature (20~25°C). Remove supernatant by careful aspiration.
4) Add 10 µL of normal goat serum containing 1 mg/mL normal human IgG and 0.1% NaN3 to the cell pellet after tapping. Mix well and incubate for 5 minutes at room temperature.
5) Add 30 µL of the primary antibody at the concentration as suggested in the APPLICATIONS diluted in the washing buffer. Mix well and incubate for 30 minutes at room temperature.
6) Add 1 mL of the washing buffer followed by centrifugation at 500 x g for 1 minute at room temperature. Remove supernatant by careful aspiration.
7) Add 30 µL of 1:100 FITC conjugated anti-rat IgG diluted with the washing buffer. Mix well and incubate for 15 minut es at room temperature.
8) Add 1 mL of the washing buffer followed by centrifugation at 500 x g for 1 minute at room temperature. Remove supernatant by careful aspiration.
9) Resuspend the cells with 500 µ L of the washing buffer and analyze by a flow cytometer.
(Positive control for Flow cytometry; LO)

Product images:



Flow cytometric an alysis of mouse Mesothelin expression on LO (left) and Jurkat (right). Open histogram indicates the reaction of isotypic control to the cells. Shaded histograms indicate the reaction of AM26533AF-N to the cells.