

Human Mesothelin PE-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 420411

Catalog Number: FAB32652P 100 TESTS

DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human Mesothelin in direct ELISAs.		
Source	Monoclonal Rat IgG _{2A} Clone # 420411		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Mesothelin Glu296-Gly580 Accession # AAH09272		
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm		
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.		
	*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.		

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Flow Cytometry	10 μL/10 ⁶ cells	See Below

Flow Cytometry 150 120 120 101 101 102 103 Mesothelin

Detection of Mesothelin in HeLa Human Cell Line by Flow Cytometry. HeLa human cervical epithelial carcinoma cell line was stained with Rat Anti-Human Mesothelin PE-conjugated Monoclonal Antibody (Catalog # FAB32652P, filled histogram) or isotype control antibody (Catalog # ICO06P, open histogram). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage

Protect from light. Do not freeze.

• 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Mesothelin is a 40 kDa glycosylphosphatidylinositol-anchored glycoprotein that is expressed on mesothelial cells in the pleura, pericardium and peritoneum and overexpressed in mesotheliomas and ovarian or pancreatic adenocarcinoma. Mesothelin is a product of the CAK-1 gene, which also encodes megakaryocyte-potentiating factor (MPF). Mature human mesothelin shares 60% amino acid identity with either mouse or rat mesothelin. Two variant forms exist; variant 1 has an eight amino acid (1 kDa) insertion and is rarely expressed, while variant 2 is a truncated form secreted in the majority of ovarian cancers but rarely found in normal individuals.

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