

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Mesothelin in direct ELISAs.
Source	Monoclonal Rat IgG _{2A} Clone # 420404
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	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

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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