

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Mesothelin in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Mesothelin isoform 2 Glu296-Gly580 Accession # ABW03459
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.

Western Blot 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, 292 amino acid (aa) GPI-linked glycoprotein found on normal mesothelial cells. It is also highly expressed in pancreatic, gastric and ovarian carcinomas. Mesothelin is synthesized as a preproprotein with a carboxy-terminal hydrophobic proregion that is removed when a GPI-anchor is added. The N-terminal prosegment is cleaved by furin to release a 33 kDa soluble protein that is also known as megakaryocyte potentiating factor (MPF). The membrane bound portion of Mesothelin can also be shed and is detectable in sera. Within the region used as the immunogen, human Mesothelin shares approximately 58% amino acid sequence identity with the mouse or rat protein.

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