

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Mesothelin Propeptide/MPF in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with mature recombinant human Mesothelin is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Mesothelin Propeptide/MPF isoform 1 Arg35-Leu289 Accession # Q13421
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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, 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 pro-region that is removed when a GPI-anchor is added. The amino-terminal propeptide is cleaved by furin to release a 33 kDa soluble protein that is also known as megakaryocyte potentiating factor (MPF). Mouse MPF has been shown to potentiate megakaryocyte colony forming activity of IL-3 in mouse bone marrow culture. The amino acid sequence of human MPF is 55% identical to that of mouse or rat MPF.

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