

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Mesothelin Propeptide/MPF in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human Mesothelin is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 346633
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Mesothelin propeptide Arg35-Leu289 Accession # AAH09272
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 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

Megakaryocyte Potentiating Factor (MPF) is a 33 kDa soluble protein that is cleaved as an N-terminal propeptide from the mouse mesothelin preproprotein by furin, while the C-terminal portion is processed further to form mesothelin. Mouse MPF potentiates megakaryocyte colony forming activity of IL-3 in mouse bone marrow culture. Human MPF shows 55% amino acid identity with mouse or rat MPF. The preproprotein is produced by mesothelial cells and is also highly expressed in pancreatic, gastric and ovarian carcinomas.

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