Human Mesothelin Propeptide/MPF Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF3448

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
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

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
Western Blot	0.1 µg/mL	Recombinant Human Mesothelin Propeptide/MPF

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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 a33 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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