

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Mesothelin Propeptide/MPF in direct ELISAs and Western blots. In direct ELISAs and Western blots, this antibody does not cross-react with recombinant human Mesothelin.
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 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 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	1 µg/mL	Recombinant Human Mesothelin Propeptide/MPF

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 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

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.