

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MSP α Chain in ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human (rh) HGF or rhIL-6 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 45904
Purification	Protein A or G purified from ascites
Immunogen	Mouse myeloma cell line NS0-derived recombinant human MSP Met1-Gly711 Accession # AAA59872
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.

ELISA Capture (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
ELISA Detection (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunoaffinity Purification	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

MSP, also known as hepatocyte growth factor-like protein (HGF), and scatter factor-2 (SF2), is a member of the HGF family of growth factors. It is secreted as a single chain inactive precursor which is proteolytically activated to yield a biologically active disulfide-linked heterodimer of the alpha and beta chains. MSP induces keratinocyte proliferation, bone resorption, and cell migration and shape change in resident macrophages. Heterodimeric MSP binds to and activates the cell surface receptor tyrosine kinase, RON/STK, which is expressed on mature macrophages, keratinocytes, and vascular endothelium of wounded skin.

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