

DESCRIPTION

Species Reactivity	Human
Specificity	Detects recombinant human (rh)MSP β chain in direct ELISAs and Western blots. Shows no cross-reactivity with rhMSP α chain.
Source	Monoclonal Mouse IgG _{2B} Clone # 68801
Purification	Protein A or G purified from ascites
Immunogen	Mouse myeloma cell line NS0-derived recombinant human MSP β chain Val484-Gly711 Accession # P26927
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.
Blockade of Receptor-ligand Interaction	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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