

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | 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.                                                                                                                         |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>1</sub> Clone # 45904                                                                                                                                                                                                                             |
| <b>Purification</b>       | Protein A or G purified from ascites                                                                                                                                                                                                                                        |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant human MSP Met1-Gly711<br>Accession # AAA59872                                                                                                                                                                               |
| <b>Conjugate</b>          | Alexa Fluor 532<br>Excitation Wavelength: 534 nm<br>Emission Wavelength: 553 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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.

|                                                |                                                                        |
|------------------------------------------------|------------------------------------------------------------------------|
| <b>ELISA Capture (Matched Antibody Pair)</b>   | Optimal dilution of this antibody should be experimentally determined. |
| <b>ELISA Detection (Matched Antibody Pair)</b> | Optimal dilution of this antibody should be experimentally determined. |
| <b>Western Blot</b>                            | Optimal dilution of this antibody should be experimentally determined. |
| <b>Immunoaffinity Purification</b>             | Optimal dilution of this antibody should be experimentally determined. |

## PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | 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 (HGFL), 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.

## PRODUCT SPECIFIC NOTICES

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