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# Anti-MSPR / RON / CD136 Reference Antibody (narnatumab)

**Recombinant Antibody** Catalog # APR10164

### **Product Information**

**Application** FC, Kinetics, Animal Model

152241

**Primary Accession** Q04912 Reactivity Human Clonality Monoclonal Isotype IgG1 **Calculated MW** 

#### **Additional Information**

Target/Specificity MSPR / RON / CD136

**Endotoxin** 

Conjugation Unconjugated

**Expression system** CHO Cell

**Format** Purified monoclonal antibody supplied in PBS, pH6.0, without

preservative. This antibody is purified through a protein A column.

#### **Protein Information**

Name MST1R

**Synonyms** PTK8, RON

**Function** Receptor tyrosine kinase that transduces signals from the extracellular

> matrix into the cytoplasm by binding to MST1 ligand. Regulates many physiological processes including cell survival, migration and differentiation. Ligand binding at the cell surface induces autophosphorylation of RON on its intracellular domain that provides docking sites for downstream signaling molecules. Following activation by ligand, interacts with the PI3-kinase subunit PIK3R1, PLCG1 or the adapter GAB1. Recruitment of these downstream effectors by RON leads to the activation of several signaling cascades including the RAS-ERK, PI3 kinase-AKT, or PLCgamma-PKC. RON signaling activates the wound healing response by promoting epithelial cell migration, proliferation as well as survival at the wound site. Also plays a role in the innate immune response by regulating the migration and phagocytic activity of macrophages. Alternatively, RON can also promote signals such as cell migration and proliferation in response to growth factors other than MST1 ligand.

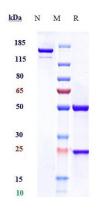
**Cellular Location** 

Membrane; Single-pass type I membrane protein.

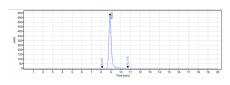
**Tissue Location** 

Expressed in colon, skin, lung and bone marrow.

## **Images**



Anti-MSPR / RON / CD136 Reference Antibody (narnatumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-MSPR / RON / CD136 Reference Antibody (narnatumab)is more than 99.2%, determined by SEC-HPLC.

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Immobilized human MSPR / RON / CD136, His Tag at 2 µg/mL can bind Anti-MSPR / RON / CD136 Reference Antibody (narnatumab),EC50=0.01139 µg/mL

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