

Anti-MSPR / RON / CD136 Reference Antibody (Aveo anti-RON)

Recombinant Antibody
Catalog # APR10205

Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	Q04912
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	152241

Additional Information

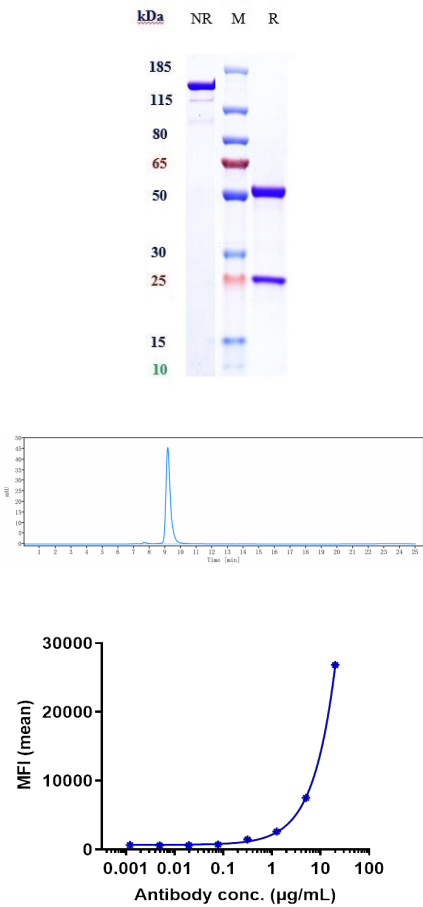
Target/Specificity	MSPR / RON / CD136
Endotoxin Conjugation	Unconjugated
Expression system	CHO Cell
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

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 (Aveo anti-RON) 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 (Aveo anti-RON)is more than 97.3% ,determined by SEC-HPLC.

Hs746T cells were stained with Anti-MSPR / RON / CD136 Reference Antibody (Aveo anti-RON) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC265=45575 µg/mL

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