

# Recombinant mouse Scavenger receptor cysteine-rich type 1 protein M130

Catalog No: #AP73065

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Package Size: #AP73065-1 20ug #AP73065-2 100ug #AP73065-3 1mg

## Description

Product Name	Recombinant mouse Scavenger receptor cysteine-rich type 1 protein M130
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:86-365aaSequence Info:Partial
Other Names	CD163
Accession No.	Q2VLH6
Uniprot	Q2VLH6
GeneID	93671;
Calculated MW	32.2 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	VVCQQLGCPTSIKALGWANSSAGSGYIWMKVSCTGNESALWDCKHDGKHNCTHEKDAGVTCSDGSNL EMRLVNSAGHRCLGRVEIKFQGKVGTVCCDNFSKDHASVICKQLGCGSAISFSGSAKLGAGSGPIWLDDLAC NGNESALWDCKHRGWGKHNCDHAEDVGVICLEGADLSRLVDGVSRCGRLEVRFQGEWGTVCDDNWDL RDASVCKQLGCPTAISAIGRVNASEGSGQIWLDNISCEGHEATLWECKHQEWGKHYCHHREDAGVTCS
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Involved in clearance and endocytosis of hoglobin,haptoglobin complexes by macrophages and may thereby protect tissues from free hoglobin-mediated oxidative damage. May play a role in the uptake and recycling of iron, via endocytosis of hoglobin,haptoglobin and subsequent breakdown of he. Binds hoglobin,haptoglobin complexes in a calcium-dependent and pH-dependent manner. Induces a cascade of intracellular signals that involves tyrosine kinase-dependent calcium mobilization, inositol triphosphate production and secretion of IL6 and CSF1 .After shedding, the soluble form (sCD163) may play an anti-inflammatory role.

## References

Molecular cloning and characterization of the mouse CD163 homologue, a highly glucocorticoid-inducible member of the scavenger receptor cysteine-rich family.Schaer D.J., Boretti F.S., Hongegger A., Poehler D., Linnscheid P., Staeger H., Mueller C., Schoedon G., Schaffner A.Immunogenetics 53:170-177(2001)Research Topic:Others

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Note: This product is for in vitro research use only