Recombinant Mouse CD163 Protein (86-365 aa), His-tagged

Cat. No. CD163-1667M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD163 Protein (86-365 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Mouse
Source	Yeast
ProteinLength	86-365 aa
Description	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.
Form	Tris-based buffer,50% glycerol
Molecular Mass	32.2 kDa
AA Sequence	VVCQQLGCPTSIKALGWANSSAGSGYIWMDKVSCTGNESALWDCKHDGWGKHNC THEKDAGVTCSDGSNLEMRLVNSAGHRCLGRVEIKFQGKWGTVCDDNFSKDHASV

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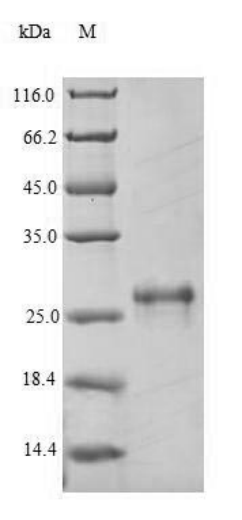
	ICKQLGCGSAISFSGSAKLGAGSGPIWLDDLACNGNESALWDCKHRGWGKHNCDH AEDVGVICLEGADLSLRLVDGVSRCSGRLEVRFQGEWGTVCDDNWDLRDASVVCK QLGCPTAISAIGRVNASEGSGQIWLDNISCEGHEATLWECKHQEWGKHYCHHREDA GVTCS
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	Cd163 CD163 antigen [Mus musculus]
Official Symbol	CD163
Synonyms	CD163; CD163 antigen; CD163v2; CD163v3;
Gene ID	93671
mRNA Refseq	NM_001170395
Protein Refseq	NP_001163866

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UniProt ID	Q2VLH6



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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