PRODUCT INFORMATION

Target	CD38
Synonyms	ADPRC 1;Cd38-r;Cd38-rs1;I-19
Description	Recombinant mouse CD38 protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P56528
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	Mouse CD38(Leu45-Thr304) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 30.6 kDa after removal of the signal peptide.The apparent molecular mass of mCD38-His is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes a non-lineage-restricted, type II transmembrane glycoprotein that synthesizes and hydrolyzes cyclic adenosine 5'-diphosphate-ribose, an intracellular calcium ion mobilizing messenger. The release of soluble protein and the ability of membrane-bound protein to become internalized indicate both extracellular and intracellular functions for the protein. This protein has an N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N-glycosylation sites. Knockout mice deficient for this gene display altered humoral immune responses. In addition, knockout mice exhibit higher locomotor activity and defects in nurturing and social behaviors. [provided by RefSeq, Sep 2015]
Usage	Research use only
Conjugate	Unconjugated

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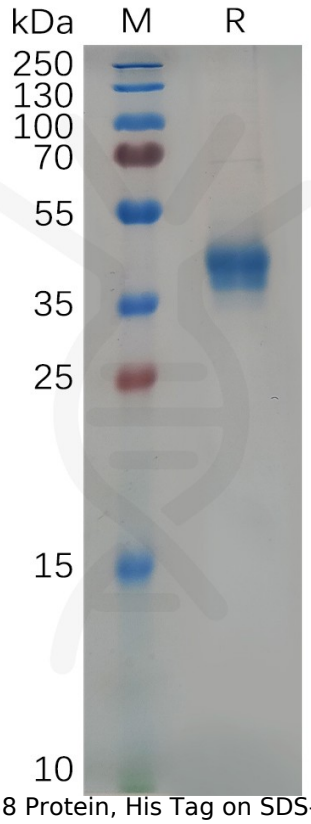

Figure 1. Mouse CD38 Protein, His Tag on SDS-PAGE under reducing condition.

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