Recombinant Guinea pig Integrin alpha-M (ITGAM)

Product Code	CSB-BP011876GU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P11578
Product Type	Recombinant Protein
Immunogen Species	Cavia porcellus (Guinea pig)
Purity	≥85% (SDS-PAGE)
Sequence	QLELPVKYAV YLIVTSGEAS TTYLNFTTSE KTIQTMKHQY KFTNLGKRSL PISVVFWVPV RLNNEIVWDR PQVTFSPNLS SACNTEERSP PHSDFLAELE KTHVLNCSIA VCQRIACDIP YFNIQE
Source	Baculovirus
Target Names	ITGAM
Protein Names	Recommended name: Integrin alpha-M Alternative name(s): CD11 antigen-like family member B CR-3 alpha chain Cell surface glycoprotein MAC-1 subunit alpha Leukocyte adhesion receptor MO1 CD_antigen= CD11b
Expression Region	1-126
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This gene encodes the integrin alpha M chain. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This I-domain containing alpha integrin combines with the beta 2 chain (ITGB2) to form a leukocyte-specific integrin referred to as macrophage receptor 1 (Mac-1), or inactivated-C3b (iC3b) receptor 3 (CR3). The alpha M beta 2 integrin is important in the adherence of neutrophils and monocytes to stimulated endothelium, and also in the phagocytosis of complement coated particles. Multiple transcript variants encoding different isoforms have been found for this gene.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	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.