PRODUCT INFORMATION

Target	ITGAM
Synonyms	CD11B;CR3A;MAC-1;MAC1A;MO1A;SLEB6
Description	Recombinant human ITGAM protein with C-terminal human Fc tag
Delivery	Under development
Uniprot ID	P11215
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	ITGAM(Phe17-Asn1104) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 145.2 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% 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 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.
Usage	Research use only

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