PRODUCT INFORMATION

Target	CD235A
Synonyms	Glycophorin-A;CD235a;PAS-2;GYPA;GPA
Description	Recombinant human CD235A protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P02724
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	CD235A(His28-Glu91) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 33.3 kDa after removal of the signal peptide. The apparent molecular mass of CD235A-hFc is approximately 35-55 kDa due to glycosylation.
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	Glycophorins A (GYPA) and B (GYPB) are major sialoglycoproteins of the human erythrocyte membrane which bear the antigenic determinants for the MN and Ss blood groups. In addition to the M or N and S or s antigens that commonly occur in all populations, about 40 related variant phenotypes have been identified. These variants include all the variants of the Miltenberger complex and several isoforms of Sta, as well as Dantu, Sat, He, Mg, and deletion variants Ena, S-s-U- and Mk. Most of the variants are the result of gene recombinations between GYPA and GYPB. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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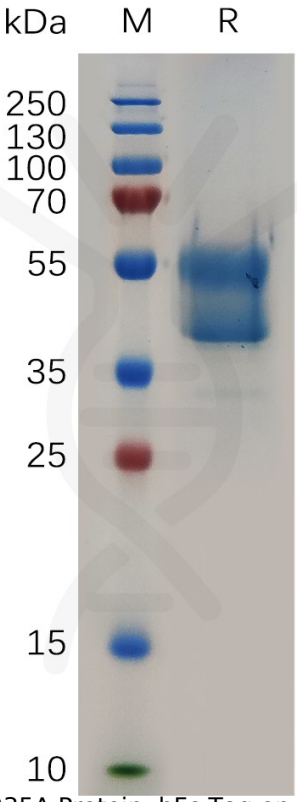


Figure 1. Human CD235A Protein, hFc Tag on SDS-PAGE under reducing condition.

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