

CD32A Protein, Rhesus, Recombinant (His & Avi), Biotinylated

General Information

Synonyms:	Fc fragment of IgG receptor IIa
Protein Construction:	A DNA sequence encoding the Rhesus FCGR2A (NP_001244229.1) (Met1-Ile217) was expressed with a C-terminal polyhistidine tag followed by an AVI tag. The expressed protein was biotinylated in vivo by the Biotin-Protein ligase (BirA enzyme) which is co-expressed. Predicted N terminal: Gln 34
Species:	Rhesus
Expression Host:	HEK293 Cells
Accession:	NP_001244229.1
Molecular Weight:	23.67 kDa (predicted); 33.32 kDa (reducing conditions)

QC Testing

Biological Activity:	Immobilized Anti-CD20(Ro) Antibody (Rituximab) at 2µg/mL (100µL/well) can bind Recombinant Rhesus CD32A Protein (His & Avi Tag), Biotinylated (Cat#TMPY-06664), the EC50 is 56-140 ng/mL.
Purity:	≥ 95 % as determined by SDS-PAGE. ≥ 95 % as determined by SEC-HPLC.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:	A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.
Stability & Storage:	It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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