

Catalog No.: RPT0030 **Recombinant**

Species	Gene ID	Swiss Prot
Human	3494	P01877-1

N-His

Immunoglobulin heavy constant alpha 2
 Ig alpha-2 chain C region

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE

Calculated MW	Observed MW
26 kDa	

<0.1 EU/μg of the protein by LAL method.

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4).

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Contributes to immunoglobulin receptor binding activity. Involved in glomerular filtration and positive regulation of respiratory burst. Located in extracellular space. Part of monomeric IgA immunoglobulin complex and secretory dimeric IgA immunoglobulin complex.

Recombinant Recombinant Human IgA2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Cys109-Tyr340) of Human IgA1 (Accession #P01877-1) fused with His tag at the N-terminus.

Measured by its binding ability in a functional ELISA. Immobilized Human IGHA2 (Catalog: RPT0030) at 5 µg/mL (100 µL/well) can bind Human CD89/FCAR (Catalog: RP00113) with a linear range of 0.01-3.58 ng/mL.

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

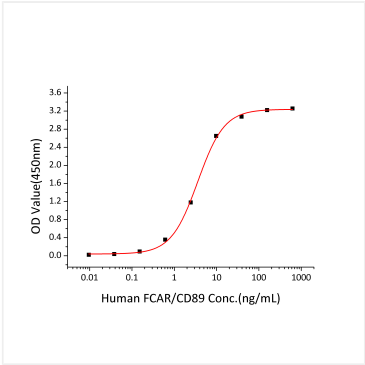
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Measured by its binding ability in a functional ELISA. Immobilized Human IGHA2 (Catalog: RPT0030) at 5 µg/mL (100 µL/well) can bind Human CD89/FCAR (Catalog: RP00113) with a linear range of 0.01-3.58 ng/mL.