

Recombinant Human CD16a/FCGR3A Protein (176 Val, His&AVI Tag), RPES0150

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPES0150

Purity: > 95 % as determined by reducing SDS-PAGE.

Contents: 100µg, 20µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Synonyms: CD16, CD16A, CD16a, CD16a Antigen, FCG3, FCGR3, FCGR3A, Fc-Gamma RIII, Fc-Gamma RIII-Alpha, Fc-gamma RIIIA, FcR-10, FcRIII, FcRIIIa, IGFR3, IgG Fc Receptor III-2, Low Affinity Immunoglobulin Gamma Fc Region Receptor III-A

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Store Bradford Reagent at Room Temperature for 1 year.

Tag: C-His-Avi

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Expression Host: HEK293 Cells

Bio-Activity: Immobilized Biotinylated Human FcγRIIIA / CD16a (V176) recombinant protein (His & Avi Tag) (RPES0150) at 10 µg/mL can bind recombinant human IgG1 (Fc) (RPES1306) with a linear range of 0.31-5.0 µg/mL.

Calculated MW: 25.6 kDa

Formulation: Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

Observed MW: 48 kDa

Reconstitution: Please refer to the printed manual for detailed information. Immobilized Biotinylated

Manufacturers Statement: This final kit system is assembled and quality-released by Assay Genie Limited.

Human FcγRIIIA / CD16a (V176) recombinant protein (His & Avi Tag) (RPES0150) at 10 µg/mL can bind recombinant human IgG1 (Fc) (RPES1306) with a linear range of 0.31-5.0 µg/mL. Loaded Recombinant Human CD16a/FCGR3A Protein(V176,His&AVI Tag),Biotinylated (RPES0150) on SA Biosensor, can bind anti-VEGFA(Research grade Bevacizumab Biosimilar) with an affinity constant of 1.5 µM as determined in BLI assay (Sartorius Octet RED384).

Accession: P08637-1

Source: HEK293 Cells-derived Human CD16a/FCGR3A(176 Val) protein Met 1-Gln 208, with an C-terminal His & Avi

Sequence: Met 1-Gln 208

Form: Lyophilized powder

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Notes: Centrifuge before opening to ensure complete recovery of vial contents.

