

Recombinant Human CD47 Protein (Fc Tag)

RPES5243

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: RPES5243

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

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

Concentration: -

Species: Human

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

Synonyms: IAP, MER6, OA3

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-hFc

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

Expression Host: HEK293 Cells

Bio-Activity: 1. Immobilized human SIRPA-His at 10 µg/ml (100 µl/well) can bind human CD47-Fc, The EC50 of human CD47-Fc is 10.1-23.5 ng/ml. 2. Immobilized mouse SIRPA-His at 10 µg/ml (100 µl/well) can bind human CD47-Fc, The EC50 of human CD47-Fc is 0.05-0.13 µg/ml. 3. Immobilized human SIRPG-His at 10 µg/ml (100 µl/well) can bind human CD47-Fc, The EC50 of human CD47-Fc is 0.58-1.34 µg/ml.

Calculated MW: 40.7 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.

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

Observed MW: 48-60 kDa

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

Accession: NP_942088.1

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

Source: HEK293 Cells-derived Human CD47 protein Met 1-Pro139, with an C-terminal hFc

Sequence: Met 1-Pro139

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

Form: Lyophilized powder