Recombinant Human TACTILE/CD96 Protein

Catalog No.: RP00346

Sequence Information

Species
Human

Gene ID
10225

Swiss Prot
P40200-2

Tags
C-mFc

Synonyms
CD96 molecule; CD96; DKFZp667E2122; TACTILE

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
79.8 kDa

Observed MW
120-160 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution
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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

The receptors CD96 and TIGIT are expressed on the surface of T and natural killer (NK) cells, and recent studies suggest both play important inhibitory roles in immune function. CD96 has been shown to modulate immune cell activity in mice, with Cd96-/- mice displaying hypersensitive NK-cell responses to immune challenge and significant tumor resistance. The counterbalance between the putative inhibitory CD96 and TIGIT receptors and the activating receptor, CD226, offers unique strategies for immuno-oncology drug development.

Basic Information

Description
Recombinant Human TACTILE/CD96 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val22-Met503) of Human TACTILE/CD96 (Accession #P40200-2) fused with a C-mFc tag at the C-terminus.

Activity

Shipping
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.

Storage
Store at -20℃

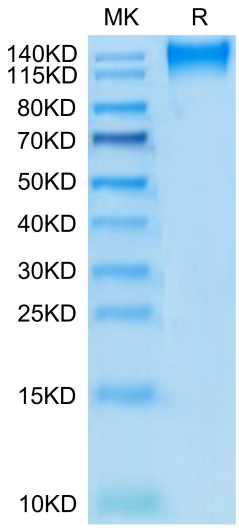
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

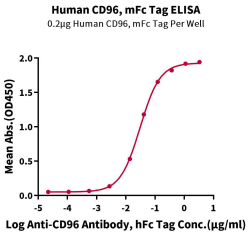
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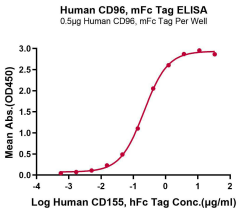
Validation Data



Recombinant Human TACTILE/CD96 Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Human CD96, mFc Tag at 2 μg/mL (100 μL/Well) on the plate. Dose response curve for Anti-CD96 Antibody, hFc Tag with the EC_{50} of 31.8ng/mL determined by ELISA (QC Test).



Immobilized Human CD96, mFc Tag at 5 μg/mL (100 μL/Well) on the plate. Dose response curve for Human CD155, hFc Tag with the EC_{50} of 0.21 μg/mL determined by ELISA.