Recombinant Human TIE2/TEK/CD202b Protein

Catalog No.: RP00122

Sequence Information

Species
Human

Gene ID
7010

Swiss Prot
Q02763

Tags
C-hFc&His

Synonyms
TEK,CD202B,GLC3E,TIE-2,TIE2, VMCM,VMCM1,Tie2

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
107.41 kDa

Observed MW
130-140 kDa

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

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

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

Tyrosine-protein kinase that acts as cell-surface receptor for ANGPT1, ANGPT2 and ANGPT4 and regulates angiogenesis, endothelial cell survival, proliferation, migration, adhesion and cell spreading, reorganization of the actin cytoskeleton, but also maintenance of vascular quiescence. Has anti-inflammatory effects by preventing the leakage of proinflammatory plasma proteins and leukocytes from blood vessels. Required for normal angiogenesis and heart development during embryogenesis. Required for post-natal hematopoiesis. After birth, activates or inhibits angiogenesis, depending on the context. Inhibits angiogenesis and promotes vascular stability in quiescent vessels, where endothelial cells have tight contacts.

Basic Information

Description
Recombinant Human TIE2/TEK/CD202b Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Ala23-Lys745) of human Tie2/CD202b/TEK (Accession #NP_000450.2) fused with an Fc, 6×His tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA. Immobilized Human ANGP2 at 1 μg/mL (100 μL/well) can bind Human Tie2 with a linear range of 3.98-467.9 ng/mL.
2.Measured by its binding ability in a functional ELISA.Immobilized PE anti-human CD202b (Tie2/Tek) Antibody at 1μg/mL (25 μL/well) can bind Human CD202b (Tie2/Tek) with a linear range of 0.46-33.95 ng/mL.

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℃

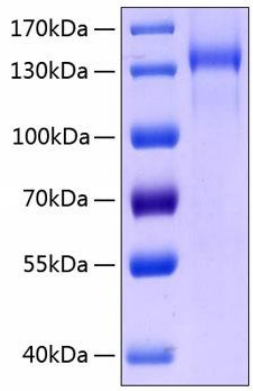
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

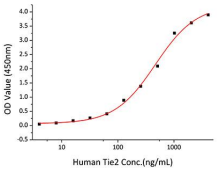
400-999-6126
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Please visit http://abclonal.com for a complete listing of recommended products.

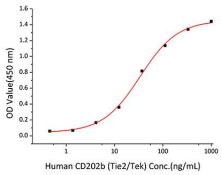
Validation Data



Recombinant Human TIE2/TEK/CD202b Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Human ANGP2 at 1 μg/mL (100 μL/well) can bind Human Tie2 with a linear range of 3.98-467.9 ng/mL.



Immobilized PE anti-human CD202b (Tie2/Tek) Antibody at 1μg/mL (25 μL/well) can bind Human CD202b (Tie2/Tek) with a linear range of 0.46-33.95 ng/mL.