

RP00784

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Recombinant Mouse CD157/BST1/ADP-ribosyl cyclase 2/Cyclic ADP-ribose hydrolase 2 Protein

Catalog No.: RP00784 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	12182	Q64277

Tags

C-6×His

Synonyms

ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2; ADP-ribosyl cyclase 2; Antigen BP3; BP-3alloantigen; Bone marrow stromal antigen 1; BST-1; Cyclic ADP-ribose hydrolase 2; cADPrhydrolase 2; Leukocyte antigen 65; Ly-65; CD157; Bst1; Bp-3; Bp3; Ly65

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

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

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

CD157 is a glycosyl phosphatidylinositol anchored membrane protein that belongs to the CD38 family. CD157 was discovered in a bone marrow stromal cell line where it facilitates preB cell growth. Along with CD38, CD157 is a bifunctional ectoenzyme that exhibits both ADP-ribosyl cyclase and cyclic ADP-ribose hydrolase activities. It may play a role in rheumatoid arthritis (RA) due to its enhanced expression in RA-derived bone marrow stromal cell lines. CD157 has been predicted to function as a cell surface receptor and an immunoregulatory molecule. CD157 was originally identified as a bone marrow stromal cell molecule (BST-1) with a glycosylphosphatidylinositol (GPI) anchor to bind to the cell surface. CD157 is prevalently expressed by cells of the myeloid lineage. CD157 could act as a receptor with signal transduction capability. Further, it regulates calcium homeostasis and promotes polarization in neutrophils and mediates superoxide (O₂⁻) production in the human U937 myeloid line.

Basic Information

Description

Recombinant Mouse CD157/BST1/ADP-ribosyl cyclase 2/Cyclic ADP-ribose hydrolase 2 Protein is produced by Human Cells expression system. The target protein is expressed with sequence (Ala25-Glu285) of mouse CD157/BST1/ADP-ribosyl cyclase 2/Cyclic ADP-ribose hydrolase 2 (Accession #Q64277) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage

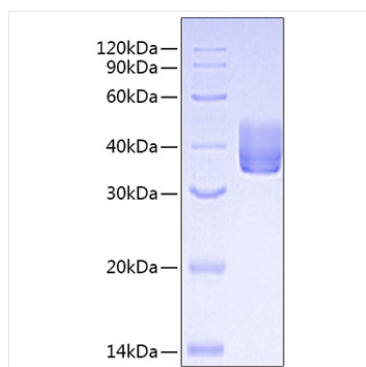
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Mouse
CD157/BST1/ADP-ribosyl cyclase
2/Cyclic ADP-ribose hydrolase 2
Protein was determined by SDS-
PAGE under reducing conditions with
Coomassie Blue.