Recombinant Mouse B7-H3/CD276 Protein

Catalog No.: RP01674

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Sequence Information

Species
Mouse

Gene ID
102657

Swiss Prot
Q8VE98

Tags
C-hFC-6His

Synonyms
B7h3; B7RP-2; 6030411F23Rik; CD276

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
49.45 kDa

Observed MW
65-75 kDa

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

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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

B7-H3 is a member of the B7 family of immune regulatory ligands that is thought to attenuate peripheral immune responses through co-inhibition. It plays an important role in adaptive immune responses, and was shown to either promote or inhibit T-cell responses in various experimental systems. B7-H3 may play an important role in muscle-immune interactions, providing further evidence of the active role of muscle cells in local immunoregulatory processes. B7-H3 is a novel protein structurally related to the B7 family of ligands by the presence of a single set of immunoglobulin-V-like and immunoglobulin-C-like (VC) domains. Previous studies have correlated its overexpression with poor prognosis and decreased tumor-infiltrating lymphocytes in various carcinomas including uterine endometrioid carcinomas, and mounting evidence supports an immuno-inhibitory role in ovarian cancer prognosis. Recently, B7-H3 expression has been reported in several human cancers indicating an additional function of B7-H3 as a regulator of antitumor immunity.

Basic Information

Description
Recombinant Mouse B7-H3/CD276 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Val 29 - Phe 244) fused with hFC-6His tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA.Immobilized Mouse CD276 (Catalog: RP01674) at 2 μg/mL (100 μL/well) can bind CD276 Rabbit pAb (Catalog: A21663) with a linear range of 1-77.4 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

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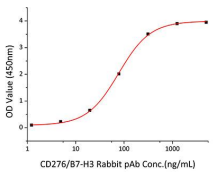
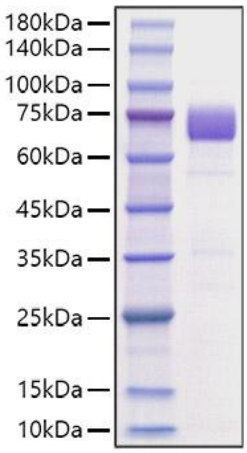
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Immobilized Mouse CD276 (Catalog: RP01674) at 2 μg/mL (100 μL/well) can bind CD276 Rabbit pAb (Catalog: A21663) with a linear range of 1-77.4 ng/mL.
Immobilized Mouse CD276



Recombinant Mouse B7-H3/CD276 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.