BioVision 09/16 For research use only

## Human CellExp™ B7-H3 / CD276, Mouse recombinant

**CATALOG NO:** P1073-10 10 μg P1073-50 50 μg

ALTERNATE NAMES: B7-H3, CD276, B7 homolog 3

SOURCE: HEK 293 cells (Val 29 - Phe 244)

**PURITY:** > 95% by SDS – PAGE

MOL. WEIGHT: This protein is fused with polyhistidine tag at C terminus and the

protein has a calculated MW of 25.4 kDa. The predicted N-terminus is Val 29. The protein migrates as 40-45 kDa in SDS-

PAGE under reducing conditions due to glycosylation.

**ENDOTOXIN LEVEL:** < 1.0 EU per 1µg of protein (determined by LAL method)

FORM: Lyophilized

FORMULATION: Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally

Mannitol or Trehalose is added as a protectant before

lyophilization.

STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -80°C and

use within 3 months. Avoid repeated freezing and thawing cycles.

**RECONSTITUTION:** Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 50 μg/ml. Solubilize for 30 to

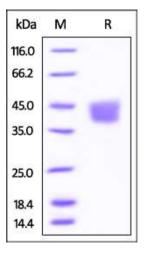
60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it

is recommended to store at -80°C.

**DESCRIPTION:** B7 homolog 3 (B7-H3), a member of the immunoglobulin

superfamily, is also known CD276, which contains two Ig-like C2-type (immunoglobulin-like) domains and two Ig-like V-type (immunoglobulin-like) domains. B7-H3 may participate in the regulation of T-cell-mediated immune response. B7-H3 also plays a protective role in tumor cells by inhibiting natural-killer mediated cell lysis as well as a role of marker for detection of neuroblastoma cells. Furthermore, B7-H3 is involved in the development of acute and chronic transplant rejection and in the regulation of lymphocytic activity at mucosal surfaces. It could also play a key role in providing the placenta and fetus with a suitable

immunological environment throughout pregnancy.



The purity of Mouse B7-H3, His Tag was determined by SDS-PAGE under reducing (R) condition and staining overnight with Coomassie Blue.

## **RELATED PRODUCT:**

- Human CellExp™ CD155, human recombinant (Cat. No. 7462-10, -50)
- Human CellExp™ B7-H3 / CD276, Human recombinant (Cat. No. 9239-10, -50)
- Human CellExp™ CD160/BY55, human recombinant (Cat. No. 7386-10, -50)
- Human CellExp™ CD166/ ALCAM, human recombinant (Cat. No. 7437-10, -50)
- Human CellExp™ CD172A / SIRP, human recombinant (Cat. No. 7506-10, -50)
- Human CellExp<sup>™</sup> CD33 / SIGLEC-3, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp™ CD47, human recombinant (Cat. No. 7385-10, -50)
- Human CellExp™ CD55/DAF, human recombinant (Cat. No. 7432-10, -50)
- Human CellExp™ CD58 /LFA-3, human recombinant (Cat. No. 7427-10, -50)
- Human CellExp<sup>™</sup> CD62E/E-Selectin, human recombinant (Cat. No. 7434-20, -100)
- Human CellExp™ CD71 / TFRC / TFR, human recombinant (Cat. No. 7279-10, -50
- Human CellExp<sup>™</sup> CD273, human recombinant (Cat. No. 7369-10, -50)
- Human CellExp™ CD36, human recombinant (Cat. No. 7371-10, -50)
- Human CellExp™ CD87. human recombinant (Cat. No. 7372-20. -100)

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