

# B7-H3/CD276

Catalog # PVGS1785

## Product Information

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<b>Primary Accession Species</b>	<a href="#">Q8VE98</a> Mouse
<b>Sequence</b>	Val29-Ala248.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
<b>Endotoxin Level</b>	Less than 1EU per $\mu$ g by the LAL method.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	24.98 kDa
<b>Formulation Reconstitution</b>	Lyophilized from a 0.22 $\mu$ m filtered solution in PBS, pH 7.4. It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH <sub>2</sub> O more than 100 $\mu$ g/ml.
<b>Storage &amp; Stability</b>	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

## Additional Information

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<b>Gene ID</b>	102657
<b>Other Names</b>	CD276 antigen, B7 homolog 3, B7-H3, Costimulatory molecule, CD276, Cd276, B7h3
<b>Target Background</b>	B7-H3, a member of the B7 family of immunomodulatory molecules, is overexpressed in a wide range of solid cancers. B7-H3 binds to activated T cells via an as yet unidentified receptor. In assays using sub-optimal amount so anti-CD3 stimulation, 2Ig $\alpha$ B7 $\alpha$ H3 enhances T cell proliferation, T cell interferon-gamma (IFN-gamma) production, and cytotoxic T cells induction.

## Protein Information

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<b>Name</b>	Cd276
<b>Synonyms</b>	B7h3

<b>Function</b>	Modulates T-cell-mediated immune responses and the development of acute and chronic transplant rejection. Plays a positive regulatory role in bone formation and has a dual role in the bone- immune interface. Induces antitumor immunity as it activates both acquired and innate immunity leading to natural killer cell and CD8 T- cell dependent killing of tumor cells.
<b>Cellular Location</b>	Membrane; Single-pass type I membrane protein
<b>Tissue Location</b>	Ubiquitous..

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.