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32-8749: Recombinant Mouse B7-H3/CD276(C-6His)

Gene : Cd276
Gene ID : 102657
Uniprot ID : Q8VE98

Description

Source: Human Cells.
MW :24.3kD.
Recombinant Mouse B7 Homolog 3 is produced by our Mammalian expression system and the target gene encoding Val29-Phe244 is expressed with a 6His tag at the C-terminus. CD276, also known as B7-H3, is a member of the B7 superfamily with signature IgV and IgG regions in extracellular domains. It is a type I transmembrane protein and shares 20Â–27% amino acid identity with other B7 family members. B7-H3 is involved in the activation of T lymphocytes, and regulates murine bone formation. It is also reported that 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 expressed on T-cells, natural killer cells, and antigen presenting cells, as well as some non-immune cells, such as osteoblasts, fibroblasts, fibroblast-like synoviocytes and epithelial cells. High expression of B7-H3 in tumor vasculature also correlates with poor survival in patients, suggesting that it may play a role in tumor cell migration.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	VEVQVSEDPVVALVDTDATLRCSFSPEPGFSLAQLNLIWQLTDTKQLVHSFTEGRDQGSAYSNRTALFPDLLVQGNASLRLQRVRVTDEGSYTCFVSIQDFDSAAVSLQVAAPYSKPSMTLEPNKDLRPGNMVTITCSSYQGYPEAEVFWKDGQGVPLTGNVTTSQMANERGLFDVHSVLRVVLGANGTYSCLVRNPVLQQDAHGSVTITGQPLTFHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.