## 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 Val29Phe244 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 $\operatorname{lgV}$ and $\operatorname{IgG}$ regions in extracellular domains. It is a type I transmembrane protein and shares 20-27\% 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 : $10 \mu \mathrm{~g} / 50 \mu \mathrm{~g}$
Content : Lyophilized from a $0.2 \mu \mathrm{~m}$ filtered solution of PBS, pH 7.4.
Lyophilized protein should be stored at $-20^{\circ} \mathrm{C}$, though stable at room temperature for 3 weeks.
Storage condition : $\quad$ Reconstituted protein solution can be stored at $4-7^{\circ} \mathrm{C}$ for $2-7$ days. Aliquots of reconstituted samples are stable at $-20^{\circ} \mathrm{C}$ for 3 months.
Amino Acid: VEVQVSEDPVVALVDTDATLRCSFSPEPGFSLAQLNLIWQLTDTKQLVHSFTEGRDQGSAYSNRTA LFPDLLVQGNASLRLQRVRVTDEGSYTCFVSIQDFDSAAVSLQVAAPYSKPSMTLEPNKDLRPGN MVTITCSSYQGYPEAEVFWKDGQGVPLTGNVTTSQMANERGLFDVHSVLRVVLGANGTYSCLVR NPVLQQDAHGSVTITGQPLTFHHHHHH

## Application Note

Endotoxin : Less than $0.1 \mathrm{ng} / \hat{A ̂} \mu \mathrm{~g}(1 \mathrm{IEU} / \hat{A} \mu \mathrm{~g})$ as determined by LAL test.

