

Recombinant Human B7-H3/CD276 Protein(C-6His)

Cat.NO.: TP04585

3th Edition

Synonyms:CD276; B7H34Ig-B7-H3; B7-H3; B7 homolog 3; CD276 antigen; CD276 molecule; Costimulatory molecule

Description: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 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.

Form:PBS

Molecular Weight:47.3 kDa

Sequences:Leu29-Thr461

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.