

Anti-B7-H3 / CD276 Reference Antibody (DS-7300a)

Catalog # APR11524

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q5ZPR3
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	57235

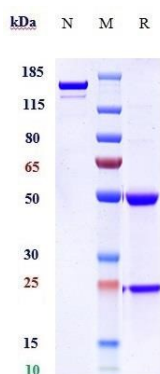
Additional Information

Target/Specificity	B7-H3 / CD276
Expression system	CHO

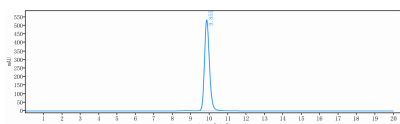
Protein Information

Name	CD276
Synonyms	B7H3
Function	May participate in the regulation of T-cell-mediated immune response. May play 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. May be involved in the development of acute and chronic transplant rejection and in the regulation of lymphocytic activity at mucosal surfaces. Could also play a key role in providing the placenta and fetus with a suitable immunological environment throughout pregnancy. Both isoform 1 and isoform 2 appear to be redundant in their ability to modulate CD4 T-cell responses. Isoform 2 is shown to enhance the induction of cytotoxic T-cells and selectively stimulates interferon gamma production in the presence of T-cell receptor signaling.
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	Ubiquitous but not detectable in peripheral blood lymphocytes or granulocytes. Weakly expressed in resting monocytes Expressed in dendritic cells derived from monocytes. Expressed in epithelial cells of sinonasal tissue. Expressed in extravillous trophoblast cells and Hofbauer cells of the first trimester placenta and term placenta.

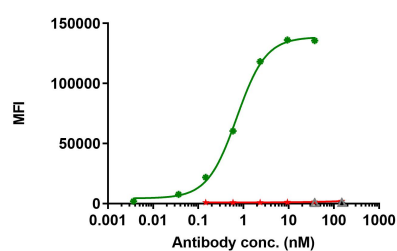
Images



Anti-B7-H3 / CD276 Reference Antibody (DS-7300a) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-B7-H3 / CD276 Reference Antibody (DS-7300a) is 100%, determined by SEC-HPLC.



HT-29 cells were stained with DS-7300a and negative control protein respectively, washed and then followed by PE and analyzed with FACS, with the EC50 is 0.709 nM.

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