



Recombinant Human CD276 antigen (CD276), partial (Active)

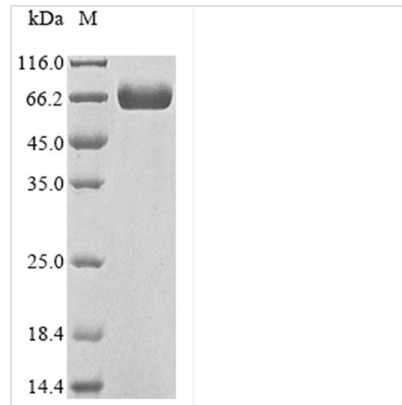
Product Code	CSB-MP733578HU
Relevance	May participate in the regulation of T-cell-mediated immune response. May play a protective role in tumor cells by inhibiting natural-killer mediated cell lysis as well as a role of marker for detection of neuroblastoma cells. May be involved in the development of 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.
Abbreviation	Recombinant Human CD276 protein, partial (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q5ZPR3
Storage Buffer	Lyophilized from a 0.2 µm filtered PBS, 6% Trehalose, pH 7.4
Product Type	Others
Immunogen Species	Homo sapiens (Human)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized CD276 at 2 µg/ml can bind Anti-CD276 rabbit monoclonal antibody, the EC50 of human CD276 protein is 1.961-2.243 ng/ml.
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	LEVQVPEDPVVALVGTDLCCSFSPPEPGFSLAQLNLIWQLTDTKQLVHSFAE GQDQGSAYANRTALFPDLLAQGNASLRLQRVVADEGSFTCFVSIRDFGSAA VSLQVAAPYSKPSMTLEPNKDLRPGDVTITCSSYQGYPEAEVFWQDGGQVP LTGNVTTSQMANEQGLFDVHSILRVVLGANGTYSCLVRNPVLQQDAHSSVTIT PQRSPTG
Research Area	Cancer
Source	Mammalian cell
Target Names	CD276
Expression Region	29-245aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal hFc1-Myc-tagged



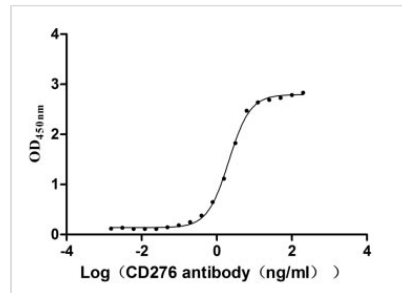
Mol. Weight 53.4 kDa

Protein Length Partial

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity

Measured by its binding ability in a functional ELISA. Immobilized CD276 at 2 µg/ml can bind Anti-CD276 rabbit monoclonal antibody, the EC₅₀ of human CD276 protein is 1.961-2.243 ng/ml.

Endotoxin Less than 1.0 EU/ug as determined by LAL method.

Shelf Life The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.