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Anti-B7-H4 / VTCN1 Reference Antibody (alsevalimab)

Recombinant Antibody
Catalog # APR10078

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q7Z7D3
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	30878

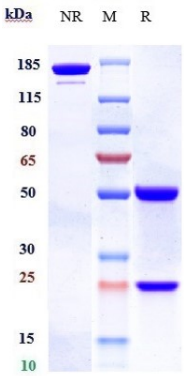
Additional Information

Target/Specificity	B7-H4 / VTCN1
Endotoxin	
Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

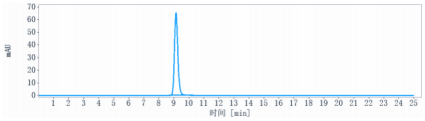
Protein Information

Name	VTCN1 {ECO:0000312|EMBL:EAW56672.1}
Function	Negatively regulates T-cell-mediated immune response by inhibiting T-cell activation, proliferation, cytokine production and development of cytotoxicity. When expressed on the cell surface of tumor macrophages, plays an important role, together with regulatory T- cells (Treg), in the suppression of tumor-associated antigen-specific T-cell immunity. Involved in promoting epithelial cell transformation.
Cellular Location	Cell membrane; Single-pass type I membrane protein. Note=Expressed at the cell surface. A soluble form has also been detected. {ECO:0000255, ECO:0000269|PubMed:12818165, ECO:0000269|PubMed:15878339, ECO:0000269|PubMed:16782226}
Tissue Location	Overexpressed in breast, ovarian, endometrial, renal cell (RCC) and non-small-cell lung cancers (NSCLC). Expressed on activated T- and B-cells, monocytes and dendritic cells, but not expressed in most normal tissues (at protein level). Widely expressed, including in kidney, liver, lung, ovary, placenta, spleen and testis

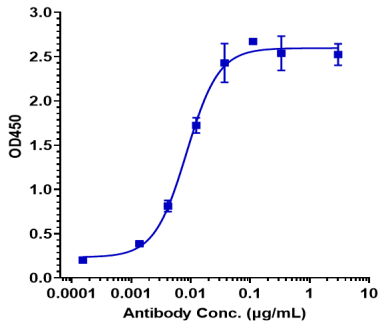
Images



Anti-B7-H4 / VTCN1 Reference Antibody (alsevalimab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-B7-H4 / VTCN1 Reference Antibody (alsevalimab) is 100%, determined by SEC-HPLC.



Immobilized human B7 H4 His at 2 ug/mL can bind Anti-B7-H4 / VTCN1 Reference Antibody (alsevalimab), EC50=0.008484 ug/mL.

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