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Anti-VAP-1 Reference Antibody (Vepalimomab)

Catalog # APR11519

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q16853
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2-mut
Calculated MW	84622

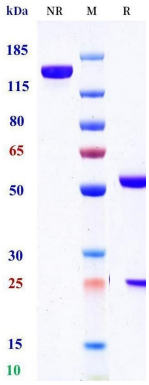
Additional Information

Target/Specificity	VAP-1
Expression system	CHO

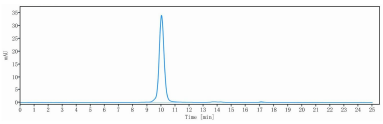
Protein Information

Name	AOC3 (HGNC:550)
Synonyms	VAP1
Function	Catalyzes the oxidative deamination of primary amines to the corresponding aldehydes with the concomitant production of hydrogen peroxide and ammonia (PubMed:19588076, PubMed:24304424, PubMed:9653080). Has a preference for the primary monoamines methylamine and benzylamine (PubMed:19588076, PubMed:9653080). Could also act on 2-phenylethylamine but much less efficiently (PubMed:19588076). At endothelial cells surface can also function as a cell adhesion protein that participates in lymphocyte extravasation and recirculation by mediating the binding of lymphocytes to peripheral lymph node vascular endothelial cells in an L-selectin-independent fashion (PubMed:9254657, PubMed:9653080).
Cellular Location	Cell membrane; Single-pass type II membrane protein
Tissue Location	Strongly expressed on the high endothelial venules of peripheral lymph nodes and on hepatic endothelia. Also highly expressed in appendix, lung and small intestine. Expressed also in adipose tissue, in bone marrow, colon, heart, kidney, ovary, pancreas, placenta, prostate, skeletal muscle, spleen and testis. Isoform 2 seems to be the predominant transcript in fetal kidneys, fetal cartilage and fetal tonsils. The highest relative expression of isoform 2 occurs in skeletal muscle, heart, pancreas, kidney, and lung

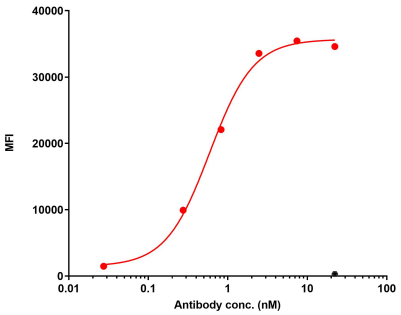
Images



Anti-VAP-1 Reference Antibody (Vepalimomab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-VAP-1 Reference Antibody (Vepalimomab) is 98.99%, determined by SEC-HPLC.



PLVX-puro-VAP-1-FL cell line were stained with Vepalimomab and negative control protein respectively, washed and then followed by PE and analyzed with FACS, with the EC50 is 0.851 nM.

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