

VAP-1 recombinant antibody

Anti-VAP-1 [2D10]

CATALOG #	REACTIVITY	APPLICATIONS
AAA72018	Human	Western Blot, Immunoprecipitation, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

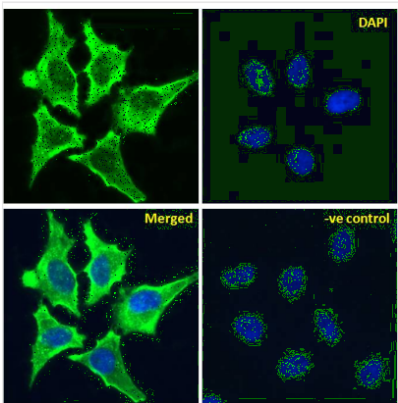
PRODUCT SYNONYMS

VAP-1; Monoclonal Recombinant Antibody; Anti-VAP-1 [2D10]; Vascular adhesion protein 1; VAP1; Copper amine oxidase; HPAO; Membrane primary amine oxidase; Semicarbazide-sensitive; AOC3; Amine oxidase; copper containing 3; amine oxidase; SSAO; copper-containing amine:oxygen oxidoreductase; VAP-1 recombinant antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1 kappa
Clone Number	2D10
Specificity	Recognizes human Vascular Adhesion Protein-1 (VAP-1), a glycosylated homodimeric membrane protein consisting of two 90 kDa subunits connected by disulfide bonds. 2D10 is a conformational specific antibody which recognizes an epitope present only in the dimeric form of VAP-1. Elevated soluble VAP-1 serum- levels have been described in several inflammatory- diseases as well as colorectal cancer.
Purity/Purification	Protein A Affinity Purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Sequence Length	763
Applicable Applications for VAP-1 recombinant antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA
Immunogen	Affinity purified VAP-1 from tonsil stroma of human origin
Note	Describes the production of monoclonal antibody against VAP-1 (2D10) and its use in immunoblotting to identify that circulating soluble VAP-1 in serum exists primarily as a dimer.
Preparation and Storage	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of HeLa cells with anti-VAP-1 antibody 2D10. Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton and stained with the chimeric rabbit version of 2D10 at 10ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (1ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom, DAPI, merged channels and a negative control. The negative control was stained with unimmunized rabbit IgG followed by Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Product Categories/Family for VAP-1 recombinant antibody	Cancer; Immuneinflam; Biomarker; Biotherapeutics
References	Kurkijärvi R, Adams DH, Leino R, Möttönen T, Jalkanen S, Salmi M. Circulating form of human vascular adhesion protein-1 (VAP-1): increased serum levels in inflammatory liver diseases. J Immunol. 1998 Aug 1;161(3):1549-57. PMID:9686623 Original Published Journal: J Immunol. 1998 Aug 1;161(3):1549-57. Publication Note: Describes the production of monoclonal antibody against VAP-1 (2D10) and its use in immunoblotting to identify that circulating soluble VAP-1 in serum exists primarily as a dimer.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2501336
NCBI GeneID	8639
UniProt Accession #	Q16853
NCBI Official Full Name	Membrane primary amine oxidase
NCBI Official Synonym Full Names	amine oxidase copper containing 3
NCBI Official Symbol	AOC3
NCBI Official Synonym Symbols	HPAO; SSAO; VAP1; VAP-1
NCBI Protein Information	membrane primary amine oxidase
UniProt Protein Name	Membrane primary amine oxidase
UniProt Gene Name	AOC3
UniProt Synonym Gene Names	VAP1; SSAO; VAP-1
UniProt Entry Name	AOC3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

