

Mouse anti-Human VISTA Monoclonal Antibody | anti-VISTA antibody

VISTA Antibody [4C4]

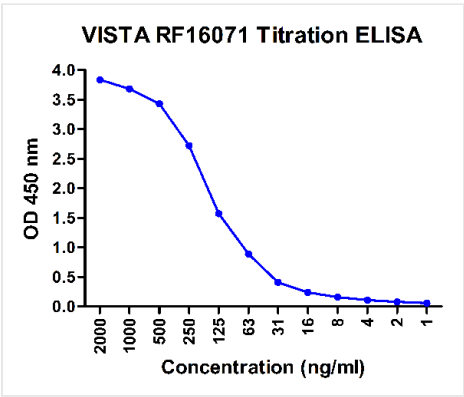
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA11012	Mouse	Human	ELISA, Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

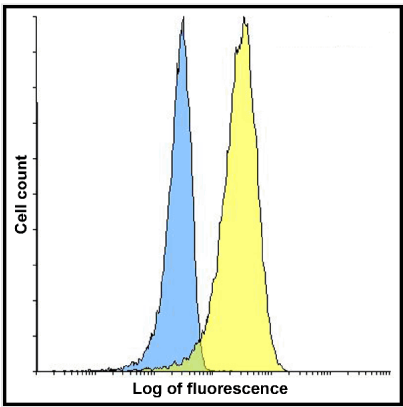
VISTA; Monoclonal Antibody; VISTA Antibody [4C4]; VISTA molecule; VSIR; B7-H5; B7H5; GI24; PP2135; SISP1; DD1alpha; C10orf54; chromosome 10 open reading frame 54; PD-1H; V-set immunoregulatory receptor; V-Type Immunoglobulin Domain-Containing Suppressor Of T-Cell Activation; Chromosome 10 Open Reading Frame 54; anti-VISTA antibody

PRODUCT SPECIFICATIONS

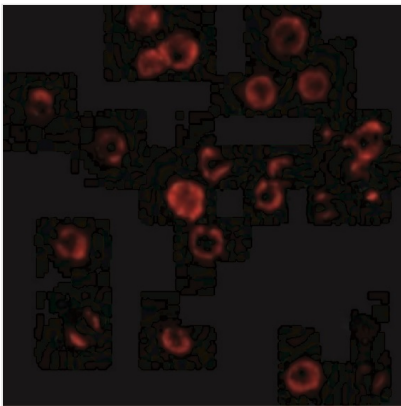
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4C4
Purity/Purification	Protein A purified
Form/Format	Liquid Supplied in PBS containing 0.02% sodium azide.
Concentration	1 mg/mL (varies by lot)
Sequence Length	311
Applicable Applications for anti-VISTA antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Application Notes	WB at 0.25-1 ug/mL IHC starting at 2 ug/mL ICC starting at 1 ug/mL IF start at 2 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples; Immunocytochemistry in human samples; Immunofluorescence in human samples and Flow Cytometry in mouse samples. All other applications and species not yet tested.
Immunogen	VISTA antibody was raised against the extracellular domain of human VISTA.
Conjugate	Unconjugated
Preparation and Storage	Store at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



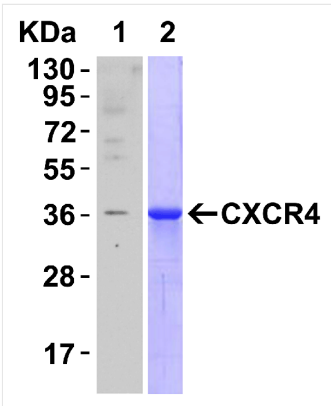
ELISA
Titration curve analysis of VISTA antibody to detect recombinant VISTA in ELISA at decreasing concentrations.



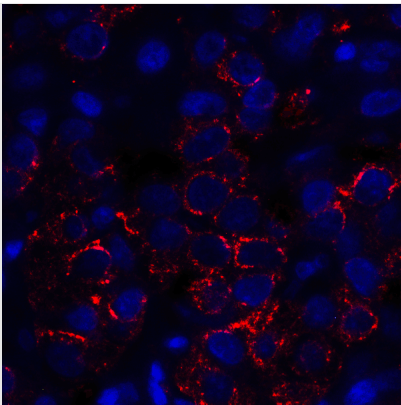
FCM (Flow Cytometry)
Flow cytometry analysis of VISTA overexpressing HEK293 cells using VISTA antibody and control mouse IgG antibody at 10 µg/ml. Blue: Untransfected HEK293 cells. Yellow: VISTA overexpressing HEK293 cells.



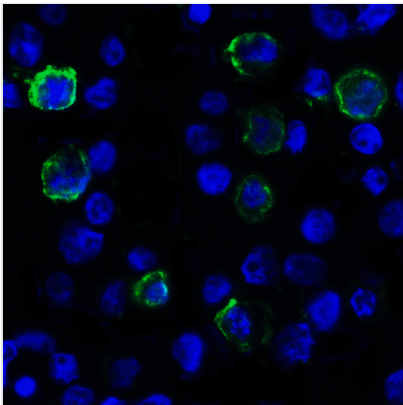
IHC (Immunohistochemistry)
Immunohistochemistry of VISTA in human lymphoma tissue with VISTA antibody at 2 µg/ml. Red: VISTA Antibody [4C4]Blue: DAPI staining



IF (Immunofluorescence)
Immunofluorescence of VISTA in human spleen tissue with VISTA antibody at 10 µg/ml. Red: VISTA Antibody [4C4]Blue: DAPI staining



IF (Immunofluorescence)
Immunofluorescence of VISTA in human lymphoma tissue with VISTA antibody at 5 µg/ml. Red: VISTA Antibody [4C4]Blue: DAPI staining



IF (Immunofluorescence)
Immunofluorescence of VISTA in transfected HEK293 cells with VISTA antibody at 2 µg/ml. Green: VISTA Antibody [4C4]Blue: DAPI staining

ADDITIONAL INFORMATION

Related Product Information for anti-VISTA antibody	VISTA/B7-H5/platelet receptor Gi24 is a single-pass type I membrane protein located at the cell surface. It is an immunoregulatory receptor which can inhibit T-cell response and may promote differentiation of embryonic stem cells, by inhibiting the BMP4 signaling pathway. The protein can be cleaved by MMP14, and stimulate MMP14-mediated MMP2 activation.
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Product Categories/Family for anti-VISTA antibody	Immunology
References	Mayya V., et al. Quantitative phosphoproteomic analysis of T cell receptor signaling reveals system-wide modulation of protein-protein interactions. 2009, Sci. Signal. 2:RA46-RA46. Sakr M.A., et al., GI24 enhances tumor invasiveness by regulating cell surface membrane-type 1 matrix metalloproteinase. 2010, Cancer Sci. 101:2368-2374.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62339432
NCBI GeneID	64115
NCBI Accession #	NP_071436
NCBI GenBank Nucleotide #	NM_022153.1
UniProt Accession #	Q9H7M9 ; Q6UXF3 ; Q8WUG3 ; Q8WYZ8 ; A1L0X9 ; A4ZYV1 ; A8MVH5
Molecular Weight	Predicted: 31 kDa Observed: 47 kDa
NCBI Official Full Name	V-type immunoglobulin domain-containing suppressor of T-cell activation
NCBI Official Synonym Full Names	V-set immunoregulatory receptor
NCBI Official Symbol	VSIR
NCBI Official Synonym Symbols	B7H5; GI24; B7-H5; PD-1H; SISP1; VISTA; PP2135; C10orf54; DD1alpha
NCBI Protein Information	V-type immunoglobulin domain-containing suppressor of T-cell activation
UniProt Protein Name	V-type immunoglobulin domain-containing suppressor of T-cell activation
UniProt Gene Name	VSIR
UniProt Synonym Gene Names	Sisp-1

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/vista-antibody-clone-4c4-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/11012>