

VISTA recombinant antibody

Rabbit anti-VISTA Recombinant Monoclonal Antibody [BLR035F]

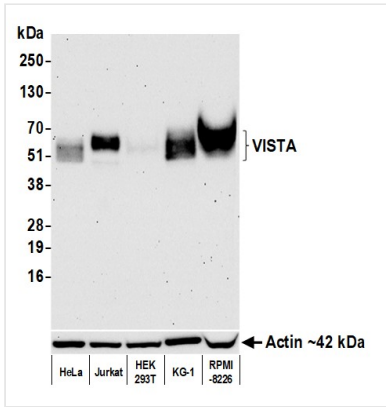
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23805	Rabbit	Human	Western Blot, Immunoprecipitation, Immunohistochemistry, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

VISTA; Monoclonal Recombinant Antibody; Rabbit anti-VISTA Recombinant Monoclonal Antibody [BLR035F]; PP2135; V-set immunoregulatory receptor; V-set domain-containing immunoregulatory receptor; sisp-1; stress-induced secreted protein-1; V-type immunoglobulin domain-containing suppressor of T-cell activation; SISP1; B7-H5; platelet receptor Gl24; B7H5; C10orf54; DD1alpha; Death Domain1alpha; Gl24; PD-1H; PDCD1 homolog; V-domain Ig suppressor of T cell activation; VISTA recombinant antibody

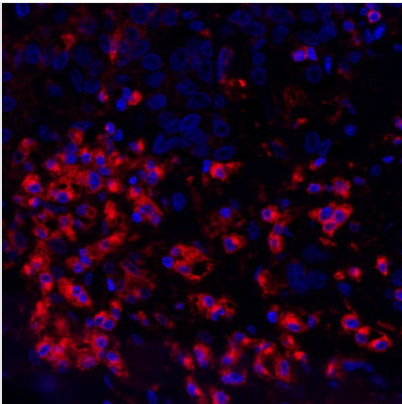
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	BLR035F
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	100ug/ml (varies by lot)
Applicable Applications for VISTA recombinant antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000 IP: 20 ul/mg lysate IHC: 1:100-1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections. ICC: 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections. IHC-IF: 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections. FC/FACS: Fixed in 4% formaldehyde and permeabilized with 90% methanol. 2 ul per 1 x 10 ⁶ cells.
Immunogen	Between 261 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



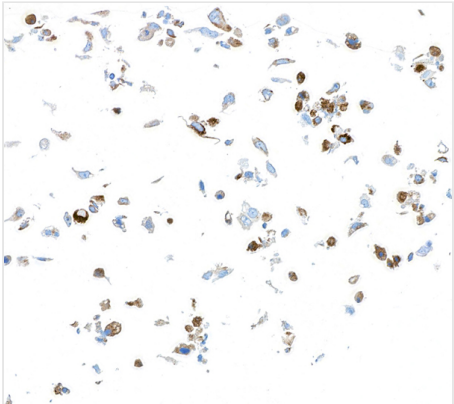
WB (Western Blot)

Detection of human VISTA by western blot. Samples: Whole cell lysate (10 ug) from HeLa, Jurkat, HEK293T, KG-1, and RPMI-8226 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-VISTA recombinant monoclonal antibody [BL-226-5C12] (AAA23805 lot 3) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Chemiluminescence with an exposure time of 75 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



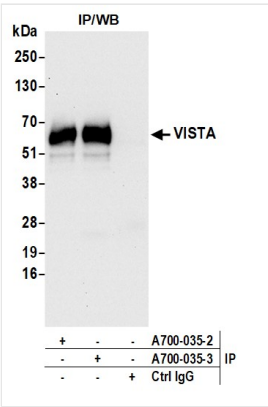
IHC (Immunohistochemistry)

Detection of human VISTA (red) by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Rabbit anti-VISTA recombinant monoclonal antibody (AAA23805) used at 1:250. Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: Opal. Counterstain: DAPI (blue).



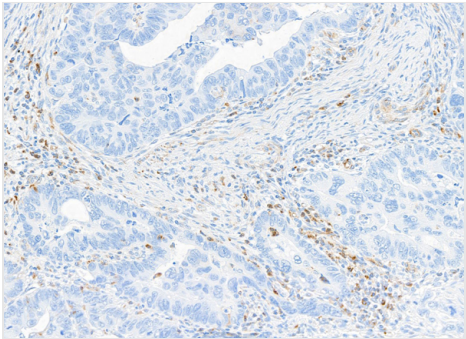
ICC (Immunocytochemistry)

Detection of human VISTA by immunocytochemistry. Sample: FFPE section of NCI-H226 cells. Antibody: Rabbit anti-VISTA recombinant monoclonal antibody (AAA23805-3). Secondary: HRP-conjugated goat anti-rabbit IgG .



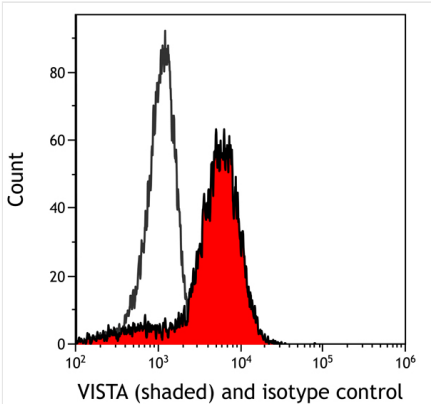
IP (Immunoprecipitation)

Detection of human VISTA by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from Jurkat cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-VISTA recombinant monoclonal antibody [BL-226-5C12] (AAA23805 lot 3) used for IP at 20 ul/mg lysate. VISTA was also immunoprecipitated by a previous lot of this antibody (AAA23805 lot 2). For blotting immunoprecipitated VISTA, AAA23805 was used at 1:1000. Chemiluminescence with an exposure time of 10 seconds.



IHC (Immunohistochemistry)

Detection of human VISTA by immunohistochemistry. Sample: FFPE section of colon carcinoma. Antibody: Rabbit anti-VISTA recombinant monoclonal antibody (AAA23805-3). Secondary: HRP-conjugated goat anti-rabbit IgG .



FCM (Flow Cytometry)

Detection of human VISTA in human peripheral blood mononuclear cells by flow cytometry. Antibody: Rabbit anti-VISTA recombinant monoclonal (AAA23805) (right) or isotype control (left). Secondary: DyLight 488-conjugated goat anti-rabbit IgG .

ADDITIONAL INFORMATION

Related Product Information for VISTA recombinant antibody	VISTA is an immunoregulatory receptor which inhibits the T-cell response (PubMed:24691993). It may promote differentiation of embryonic stem cells, by inhibiting BMP4 signaling (By similarity). VISTA may stimulate MMP14-mediated MMP2 activation [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q9H7M9].
Product Categories/Family for VISTA recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	62339432
NCBI GeneID	64115
NCBI Accession #	NP_071436.1
NCBI GenBank Nucleotide #	NM_022153.1
UniProt Accession #	Q9H7M9; Q6UXF3; Q8WUG3; Q8WYZ8; A1L0X9; A4ZYV1; A8MVH5
Molecular Weight	33,908 Da
NCBI Official Full Name	platelet receptor Gi24
NCBI Official Synonym Full Names	chromosome 10 open reading frame 54
NCBI Official Symbol	C10orf54
NCBI Official Synonym Symbols	B7H5; GI24; B7-H5; SISP1; VISTA; PP2135; DD1alpha
NCBI Protein Information	platelet receptor Gi24
UniProt Protein Name	V-type immunoglobulin domain-containing suppressor of T-cell activation
UniProt Gene Name	C10orf54
UniProt Synonym Gene Names	; Sisp-1
UniProt Entry Name	VISTA_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.

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