BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-VISTA VSIR Monoclonal Antibody [4C4]

Catalog Number: M32320

About VSIR

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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Overview

Product Name	Anti-VISTA VSIR Monoclonal Antibody [4C4]
Reactive Species	Human
Description	Boster Bio Anti-VISTA VSIR Monoclonal Antibody [4C4] (Catalog # M32320). Tested in ELISA, WB, IHC-P, ICC, IF, Flow Cytometry applications. This antibody reacts with Human.
Application	ELISA, Flow Cytometry, IF, IHC-P, ICC, WB
Clonality	Monoclonal Clone: 4C4
Formulation	VISTA Antibody is supplied in PBS containing 0.02% sodium azide and 50% glycerol.
Storage Instructions	VISTA antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Mouse
Uniprot ID	Q9H7M9

Technical Details

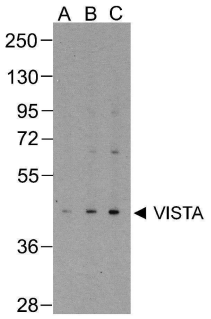
Immunogen	VISTA antibody was raised against the extracellular domain of human VISTA.
Predicted Reactive Species	Mouse, Rat
Isotype	IgG1
Form	Liquid

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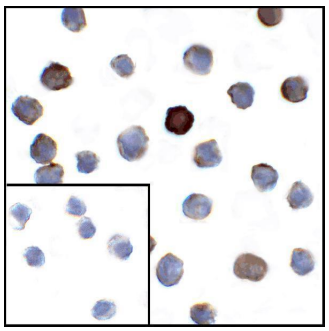
Concentration	1 mg/mL
Purification	VISTA Antibody is supplied as protein A purified IgG1.
Suggested Dilutions	VISTA antibody can be used for detection of VISTA by Western blot at 0.25 - 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2 ug/mL and immunocytochemistry starting at 1 ug/mL. For immunofluorescence 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. Optimal dilutions for each application should be determined by the researcher.

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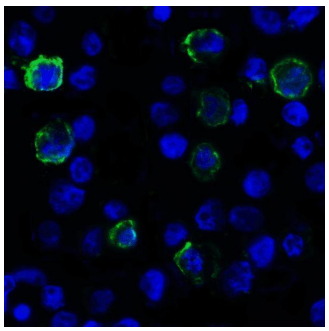
Anti-VISTA VSIR Monoclonal Antibody [4C4] (M32320) Images



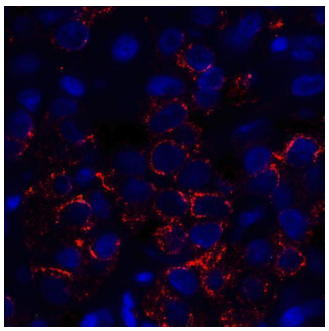
Western blot analysis of VISTA in overexpressing HEK293 cells with VISTA antibody at (A) 0.25 (B) 0.5 and (C) 1 ug/ml



Immunocytochemistry of VISTA in transfected HEK293 cells with VISTA antibody at 1 ug/mL. Lower left: Immunocytochemistry in transfected HEK293 cells with control mouse IgG antibody at 1 ug/mL.



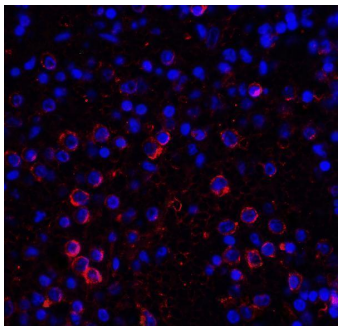
Immunofluorescence of VISTA in transfected HEK293 cells with VISTA antibody at 2 ug/mL. Green: VISTA Antibody [4C4] (M32320) Blue: DAPI staining

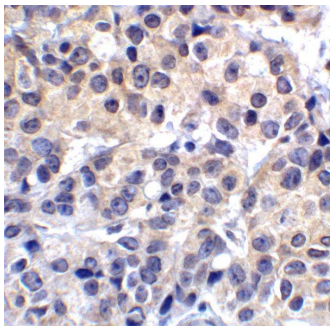


Immunofluorescence of VISTA in human lymphoma tissue with VISTA antibody at 5 ug/mL. Red: VISTA Antibody [4C4] (M32320) Blue: DAPI staining

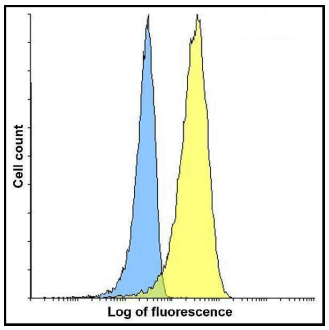
Immunofluorescence of VISTA in human spleen tissue with VISTA antibody at 10 ug/mL. Red: VISTA Antibody [4C4] (M32320) Blue: DAPI staining

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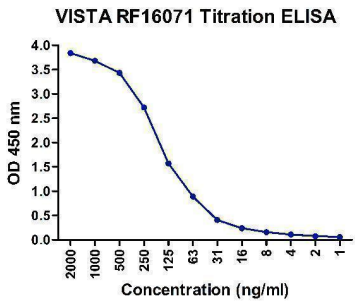




Immunohistochemistry of VISTA in human lymphoma tissue with VISTA antibody at 2 ug/mL.



Flow cytometry analysis of VISTA overexpressing HEK293 cells using VISTA antibody and control mouse IgG antibody at 10 ug/ml. Blue: Untransfected HEK293 cells. Yellow: VISTA overexpressing HEK293 cells.



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

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