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VISTA

Purified Mouse Monoclonal Antibody
Catalog # AO2704a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	Q9H7M9
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	6E4H3
Isotype	Mouse IgG1
Calculated MW	33908
Immunogen	Purified recombinant fragment of human VISTA (AA: extra 33-194) expressed in HEK293 cells.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	64115
Other Names	VSIR; B7H5; GI24; B7-H5; PD-1H; SISP1; PP2135; C10orf54; DD1alpha
Dilution	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~N/A E~~ 1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	VISTA is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	VSIR (HGNC:30085)
Function	Immunoregulatory receptor which inhibits the T-cell response (PubMed:24691993). May promote differentiation of embryonic stem cells, by inhibiting BMP4 signaling (By similarity). May stimulate MMP14- mediated MMP2 activation (PubMed:20666777).
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed in spleen. Detected on a number of myeloid cells including CD11b monocytes, CD66b+ neutrophils, at low levels on CD4+ and CD8+ T-cells, and

in a subset of NK cells. Not detected on B cells (at protein level). Expressed at high levels in placenta, spleen, plasma blood leukocytes, and lung. Expressed at moderate levels in lymph node, bone marrow, fat, uterus, and trachea Has low expression levels in other tissues

References

1.Cancer Res. 2014 Apr 1;74(7):1924-32.2.PLoS One. 2014 Oct 3;9(10):e109103.

Images

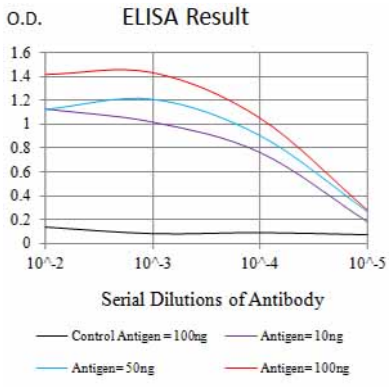


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

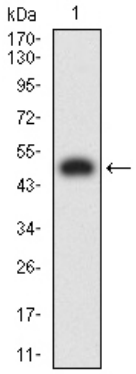


Figure 2:Western blot analysis using VISTA mAb against human VISTA (AA: extra 33-194) recombinant protein. (Expected MW is 48 kDa)

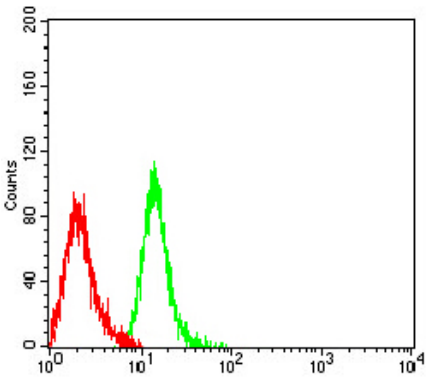


Figure 3:Flow cytometric analysis of Jurkat cells using VISTA mouse mAb (green) and negative control (red).

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