

VISTA
Purified Mouse Monoclonal Antibody
Catalog # AO2704a**Specification**

VISTA - Product Information

Application	WB, IHC, ICC, E
Primary Accession	Q9H7M9
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	34kDa KDa
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

VISTA - 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.

VISTA - 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

VISTA - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

VISTA - Images

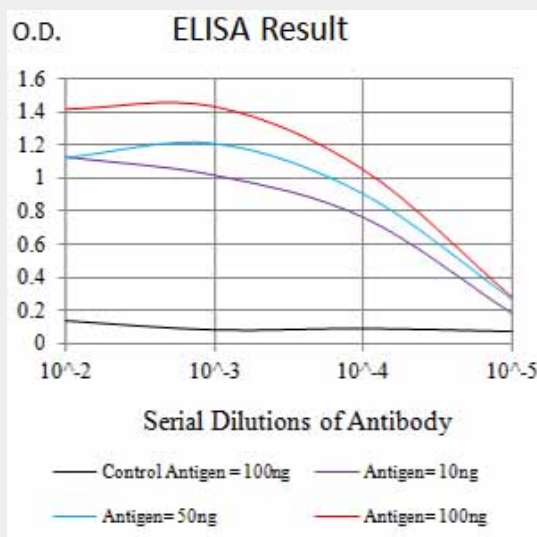


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

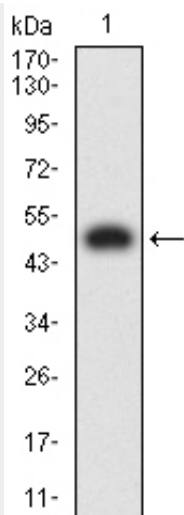


Figure 2: Western blot analysis using VISTA mAb against human VISTA (AA: extra 33-194) recombinant protein. (Expected MW is 48 kDa)

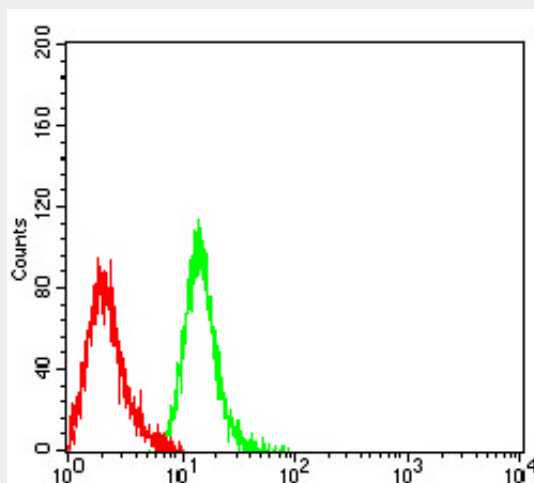


Figure 3: Flow cytometric analysis of Jurkat cells using VISTA mouse mAb (green) and negative control (red).

VISTA - References

1. Cancer Res. 2014 Apr 1;74(7):1924-32. 2. PLoS One. 2014 Oct 3;9(10):e109103.