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VISTA
Purified Mouse Monoclonal Antibody
Catalog # AO2704a

Specification

VISTA - Product Information

Application	E, WB, FCM
Primary Accession	O9H7M9
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

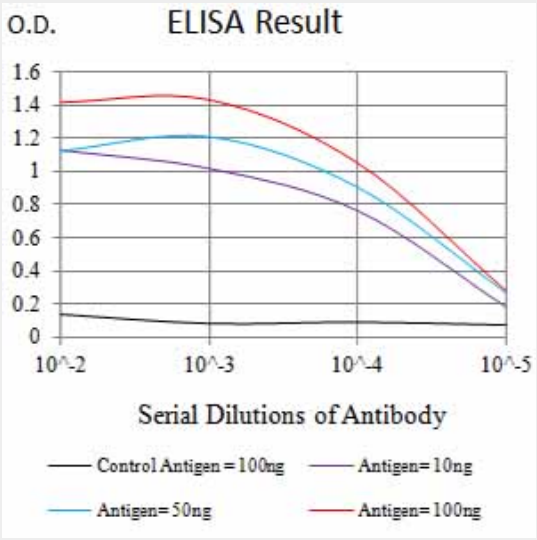

Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

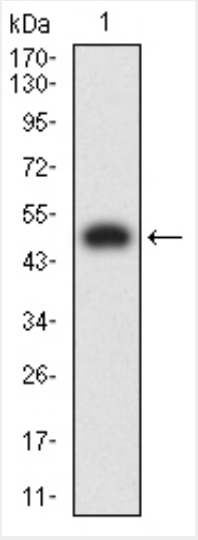

Figure 2:Western blot analysis using VISTA mAb against human VISTA (AA: extra 33-194) recombinant protein. (Expected MW is 48 kDa)

VISTA - Additional Information

Gene ID 64115

Other Names
VSIR; B7H5; GI24; B7-H5; PD-1H; SISP1; PP2135; C10orf54; DD1alpha

Dilution
E~~ 1/10000
WB~~ 1/500 - 1/2000
FCM~~ 1/200 - 1/400

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)

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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

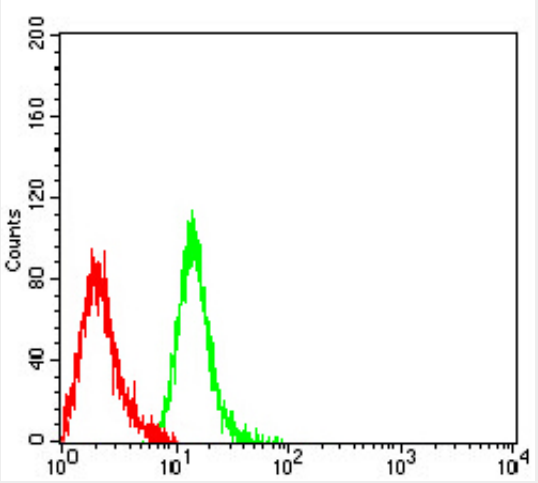

Figure 3:Flow cytometric analysis of Jurkat cells using VISTA mouse mAb (green) and negative control (red).

VISTA - References

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

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 Cytomety
- Cell Culture