

Rev04  
Update: Oct,19,2022

**DATASHEET**

# Human VISTA Antibody (VA.F6), mAb, Mouse

Cat. No.: A01864

## Overview

<b>Specificity</b>	The product is specific for human VISTA (UniProt Accession: Q9H7M9; Gene ID: 64115). This antibody binds with recombinant VISTA protein in ELISA and human VISTA expressing cell line in flow cytometry assay.
<b>Host Species</b>	Mouse
<b>Immunogen</b>	Recombinant human VISTA-Fc
<b>Conjugate</b>	Unconjugated

## Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

<b>Application</b>	<b>Recommended Usage</b>
ELISA	0.01-0.1 µg/ml
Flow Cytometry	2-10 µg/ml

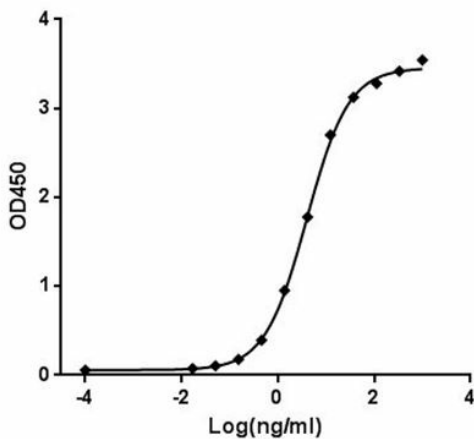
## Properties

<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	lyophilized with PBS, pH 7.4, containing 0.02% sodium azide. GenScript can customize this product per customer's request including product size, buffer components, etc.
<b>Reconstitution</b>	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/mL.
<b>Storage Instructions</b>	The lyophilized product remains stable up to 1 year at -20 °C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid repeated freezing and thawing cycles.

<b>Purification</b>	Protein A affinity column
<b>Isotype</b>	Mouse IgG2a,k
<b>Clonality</b>	Monoclonal
<b>Clone ID</b>	VA.F6

## Examples

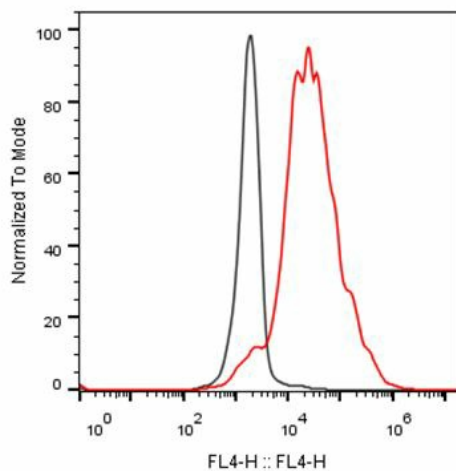
Clone VA.F6 ELISA binding with Human VISTA



ELISA binding of human VISTA antibody VA.F6 (GenScript) with Human VISTA recombinant protein (genscript, VISTA Fc Chimera, Human).

Coating antigen: VISTA-Fc, 1 µg/ml.

VISTA antibody dilution start from 1000 ng/ml, EC<sub>50</sub>=3.953 ng/ml



Flow cytometric analysis of CHO-K1/VISTA stable cell line (GenScript, M00533, Red) and CHO negative control cell (Black) binding with Human VISTA Antibody VA.F6 (GenScript, )

Antibody working concentration: 5 µg/ml, 2.5x10<sup>5</sup> cells/reaction

The signal was developed with iFluor647 conjugated Goat Anti-Mouse IgG

## Background

**Target Background :** VISTA is a negative immune checkpoint regulator that suppresses T-cell activation, and highly expressed on hematopoietic cells and within the tumor microenvironment. By analogy to VISTA and PD-L1 blockade, VISTA blockade may offer an immunotherapeutic strategy for human cancer. Therapeutic antibody against VISTA activates T cell signal and offers a way to promote this blockade. GenScript Human VISTA Antibody (VA.F6), mAb, Mouse is produced from a hybridoma resulting from the fusion of SP2/0 myeloma and B-lymphocytes obtained from a mouse immunized with recombinant human VISTA.

**Synonyms :** Mouse monoclonal to VSIR/V-set immunoregulatory receptor/B7H5/ GI24/ B7-H5/ PD-1H/ SISP1/ PP2135/ C10orf54/ DD1alphaPDCD1 Homolog/V-Set Domain-Containing Immunoregulatory Receptor/V-Domain Ig Suppressor Of T Cell Activation / Chromosome 10 Open Reading Fr

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