

Datasheet for ABIN7661805
anti-VISTA antibody (CF®647)



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Overview

Quantity:	100 µL
Target:	VISTA
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VISTA antibody is conjugated to CF®647
Application:	Please inquire

Product Details

Purpose:	VISTA / Gi24 (Negative Regulator of Immune Response)(VISTA/2865), CF647 conjugate
Immunogen:	Recombinant full-length human VISTA protein
Clone:	VISTA-2865
Isotype:	IgG2a, kappa
Characteristics:	VISTA / Gi24 is a transmembrane protein expressed in bone, on embryonic stem cells (ESCs), and on tumor cell surfaces. On ESC s, Gi24 appears to positively interact with BMP-4, potentiating BMP signaling and the transition from an undifferentiated to a differentiated state. On tumor cells, Gi24 both promotes MT1-MMP expression and activity and serves as a substrate for MT1-MMP. This increases the potential for cell motility. Mature human Gi24 contains a 162aa extracellular region with one V-type Ig-like domain and a 96aa cytoplasmic domain. Human Gi24 undergoes proteolytic cleavage by MT1-MMP, generating a soluble 30 kDa extracellular fragment plus a 25-30 kDa membrane-bound fragment. VISTA is a negative

Product Details

checkpoint regulator and is expressed on myeloid cells, T-cells and human TILs (tumor infiltrating lymphocytes) on MDSCs (myeloid-derived suppressor cells) in the TME (tumor microenvironment). It is very likely both a ligand and receptor and is a promising target for cancer immunotherapy. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	VISTA
Alternative Name:	GI24
Background:	Synonyms: B7H5, DD1alpha, GI24, PD-1H, PDCD1 homolog, Platelet receptor Gi24, PP2135, Stress-induced secreted protein 1 (SISP1), V domain Ig suppressor of T cell activation, V Set Immuno-regulatory Receptor Gene Symbol: VSIR
Molecular Weight:	34 kDa
Gene ID:	64115
UniProt:	Q9H7M9
Pathways:	Cancer Immune Checkpoints

Application Details

Application Notes:	For coating for ELISA, order Ab without BSA. Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Optimal dilution and staining procedure for a specific application should be determined by user. Recommended starting concentrations for titration are 1-2 µg/mL for most applications, or 1 µg/million cells/100 µL for flow cytometry
Comment:	Positive Control: Human spleen or placenta tissue (IHC).
Restrictions:	For Research Use only

Handling

Format:	Liquid
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Handling

Concentration:	0.1 mg/mL
Buffer:	PBS, 0.1 % BSA, 0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Protect from light
Storage:	4 °C
Storage Comment:	Stable at room temperature or 37°C for 7 days. Protect from light Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months