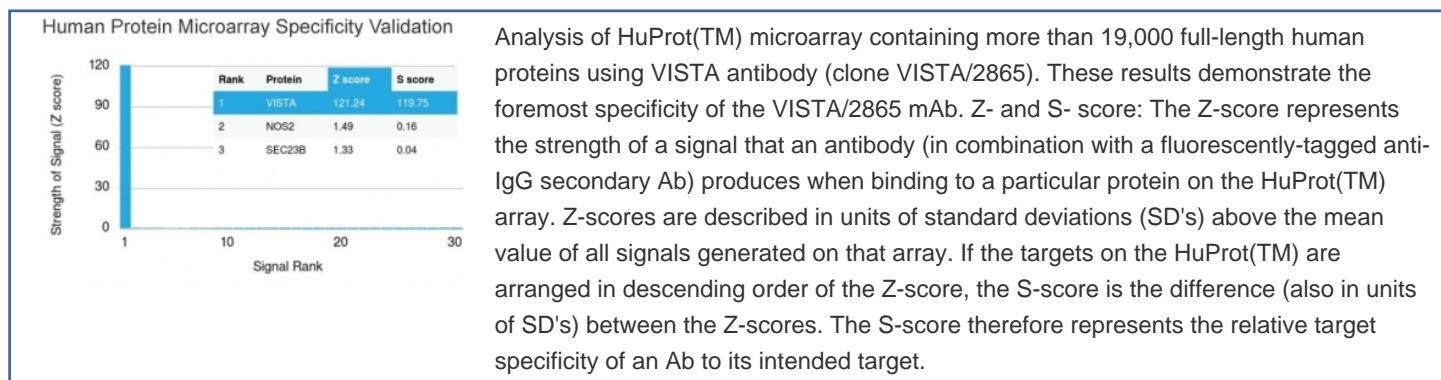


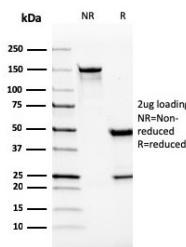
## VISTA Antibody / GI24 [clone VISTA/2865] (V8078)

Catalog No.	Formulation	Size
V8078-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8078-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8078SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

### Bulk quote request

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2a, kappa
<b>Clone Name</b>	VISTA/2865
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	Q9H7M9
<b>Applications</b>	ELISA (order BSA-free Format For Coating) :
<b>Limitations</b>	This VISTA antibody is available for research use only.





SDS-PAGE analysis of purified, BSA-free VISTA antibody as confirmation of integrity and purity.

## Description

VISTA / GI24 is a transmembrane protein expressed in bone, on embryonic stem cells (ESCs), and on tumor cell surfaces. On ESCs, 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 30kDa extracellular fragment plus a 25-30kDa membrane-bound fragment. VISTA is a negative 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.

## Application Notes

Optimal dilution of the VISTA antibody should be determined by the researcher.

## Immunogen

Recombinant full-length human protein was used as the immunogen for this VISTA antibody.

## Storage

Store the VISTA antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).