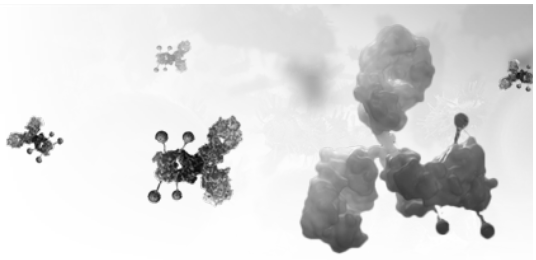

Armenian Hamster Anti-Mouse VISTA Monoclonal antibody, clone 13F3 (CABT-L4536)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The 13F3 monoclonal antibody reacts with mouse V-domain Ig suppressor of T cell activation (VISTA) also known as PD-1H and B7-H5.
Target	Mouse VISTA
Immunogen	EL4 cells overexpressing mouse VISTA-RFP and then boosted with VISTA-Ig fusion protein
Isotype	IgG
Source/Host	Armenian Hamster
Species Reactivity	Mouse
Clone	13F3
Purification	Protein A purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo blocking of VISTA signaling, In vitro blocking of VISTA signaling, FC
Molecular Weight	150 kDa
Format	0.2 μM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific
Size	5 mg

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Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free] Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	The 13F3 monoclonal antibody reacts with mouse V-domain Ig suppressor of T cell activation (VISTA) also known as PD-1H and B7-H5. VISTA is a 309 aa type I transmembrane glycoprotein and a member of the Ig superfamily. VISTA is expressed on naïve and activated T cells, NK cells, macrophages, dendritic cells, and neutrophils. VISTA functions as a negative immune-checkpoint protein that suppresses T cell cytokine production and proliferation. VISTA is overexpressed by tumor-infiltrating lymphocytes, such as myeloid cells and regulatory T cells. Blockade of VISTA with the 13F3 antibody results in delayed tumor growth in mouse models of melanoma.
Keywords	C1ORF54;chromosome 1 open reading frame 54;uncharacterized protein C1orf54;FLJ23221;Hypothetical protein LOC79630

GENE INFORMATION

Official Symbol	chromosome 1 open reading frame 54
Synonyms	C1ORF54; chromosome 1 open reading frame 54; uncharacterized protein C1orf54; FLJ23221; Hypothetical protein LOC79630
References	Sergent, P. A., et al. (2018). "Blocking the VISTA pathway enhances disease progression in (NZB x NZW) F1 female mice." Lupus 27(2): 210-216. PubMed;

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