

Anti-VISTA [13F3] Bulk Size Ab01420-1.32-BT

This antibody has a D265A mutation affecting Fc receptor engagement.

This chimeric mouse antibody was made using the variable domain sequences of the original Hamster IgG format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG1-D265A, Fc Silenced, Lambda

Clone Number: 13F3

Alternative Name(s) of Target: PD-1H; V-domain Ig suppressor of T cell activation; V-type immunoglobulin domain-containing suppressor of T-cell activation; Platelet receptor Gi24; V-set domain-containing immunoregulatory receptor; V-set immunoregulatory receptor; Vsir; Dies1

UniProt Accession Number of Target Protein: Q9D659

Published Application(s): Blocking, ELISA, FC

Published Species Reactivity: Mouse

Immunogen: This antibody was raised by immunising Armenian hamsters with EL4 cells overexpressing VISTA-RFP, and VISTA-Ig fusion protein.

Specificity: This antibody is specific for murine VISTA.

Application Notes: The specificity of this antibody has been confirmed in both ELISA and flow cytometry (Wang et al, 2011). This antibody has been used in flow cytometric analysis to assess VISTA expression in murine lupus models (Ceeraz et al, 2017; Sargent et al, 2018) and mice infected with HSV-1 (Srivastava et al, 2018). This antibody has been shown to block VISTA, and enhances T cell proliferation in vitro (Wang et al, 2011). In mice models, this antibody exacerbates experimental autoimmune encephalomyelitis (Wang et al, 2011) and murine arthritis and lupus disease progression (Sargent et al, 2018). The use of this antibody to achieve a VISTA blockade enhances anti-tumour immune responses in mice models of both transplantable and inducible melanoma, suppressing tumour growth (LeMercier et al, 2014).

Antibody First Published in: Wang et al. VISTA, a novel mouse Ig superfamily ligand that negatively regulates T cell responses. J Exp Med. 2011 Mar 14;208(3):577-92. [PMID:21383057](#)

Note on publication: Describes the original generation of this antibody, and its exacerbation of EAE disease progression.

Product Form

Size:

1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.