

Anti-PD-1H [MH5A] Standard Size Ab01016-2.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

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 IgG2a, Fc Silent™, Lambda

Clone Number: MH5A

Alternative Name(s) of Target: VISTA; VISR; B7-H5; B7H5; GI24; PP2135; SISP1; DD1alpha; C10orf54; chromosome 10 open reading frame 54; V-set immunoregulatory receptor

UniProt Accession Number of Target Protein: Q9D659

Published Application(s): therapeutic, Block, ELISA, IHC

Published Species Reactivity: Mouse

Immunogen: The antibody was generated by immunising Armenian hamsters with mPD-1HIg.

Specificity: This antibody specifically binds PD-1H.

Application Notes: The antibody has been labelled with biotin and used to stain formalin-fixed tissues from wild-type C57BL/6 mice at 6 weeks of age. This showed specific staining for PD-1H in the T cell zone and marginal zone. The antibody stains P815 cells transfected with full-length PD-1H plasmid, but not control plasmid. Antibody specificity has been confirmed by ELISA. A single 200-µg dose of MH5A prevented aGVHD in mouse models, caused a reduction in accumulation and expansion of CD8+ and CD4+ T cells in spleens and livers and greatly reduced numbers of infiltrating T cells in all aGVHD target tissues examined. Few mAbs targeting a single cosignalling molecule have such a potent preventative effect (Flies D et al, 2011).

Antibody First Published in: Flies D et al. Cutting Edge: A Monoclonal Antibody Specific for the Programmed Death-1 Homolog Prevents Graft-versus-Host Disease in Mouse Models J Immunol August 15, 2011, 187 (4) 1537-1541 [PMID:21768399](#)

Note on publication: Describes the generation of the antibody and characterisation of its therapeutic function in models of graft-versus-host disease.

Product Form

Size:

200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. 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.