Anti-PD-1H [MH5A] Standard Size Ab01016-22.0

Isotype and Format: Hamster (Armenian) IgG, 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 inflitrating 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 theraputic 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^{o}C for up to 3 months. For longer storage, aliquot and store at -20^{o}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.