

For Research Use Only

HLA-DMA Recombinant antibody, PBS Only (Detector)



Catalog Number: 82899-1-PBS

Basic Information

Catalog Number: 82899-1-PBS	GenBank Accession Number: BC026279	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 3108	CloneNo.: 230155D3
Source: Rabbit	UNIPROT ID: P28067	
Isotype: IgG	Full Name: major histocompatibility complex, class II, DM alpha	
Immunogen Catalog Number: AG2452	Calculated MW: 261 aa, 29 kDa	

Applications

Tested Applications:
Indirect ELISA, Cytometric bead array

Species Specificity:
Human

Product Information

82899-1-PBS targets HLA-DMA as part of a matched antibody pair:

MP00018-1: 82899-5-PBS capture and 82899-1-PBS detection (validated in Cytometric bead array)

MP00018-3: 82899-3-PBS capture and 82899-1-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

Human major histocompatibility complex (MHC) antigens, also referred to as human leukocyte antigens (HLA), are encoded by genes located on the short arm of chromosome 6 (6p21.3). There are two classes of HLA antigens: class I (HLA-A, B and C) and class II (HLA-D). The class II molecules are composed of two non-covalently associated alpha and beta chains. HLA-DMA and HLA-DMB form a functional heterodimer that is critical in the pathway of class II antigen presentation. HLA-DM plays a critical role in catalyzing the release of Class II HLA-associated invariant chain-derived peptides (CLIP) from newly synthesized class II HLA molecules and freeing the peptide binding site for acquisition of antigenic peptides.

Storage

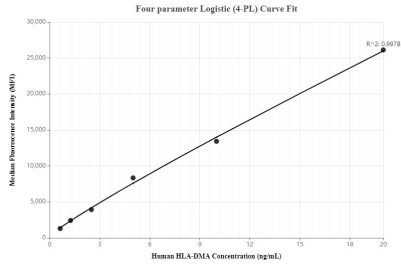
Storage:
Store at -80°C.

Storage Buffer:
100% PBS pH 7.3

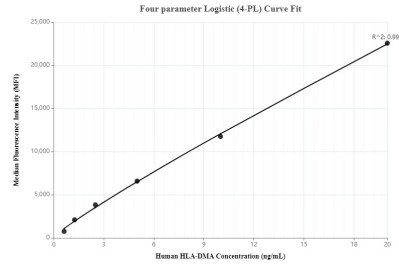
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Cytometric bead array standard curve of MP00018-1, HLA-DMA Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 82899-5-PBS. Detection antibody: 82899-1-PBS. Standard: Ag2452. Range: 0.625-20 ng/mL.



Cytometric bead array standard curve of MP00018-3, HLA-DMA Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 82899-3-PBS. Detection antibody: 82899-1-PBS. Standard: Ag2452. Range: 0.625-20 ng/mL.