

For Research Use Only

MITF Recombinant antibody, PBS Only (Capture/Detector)

Catalog Number: 83803-1-PBS



Basic Information

Catalog Number: 83803-1-PBS	GenBank Accession Number: BC012503	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 4286	CloneNo.: 240815B4
Source: Rabbit	UNIPROT ID: O75030	
Isotype: IgG	Full Name: microphthalmia-associated transcription factor	
Immunogen Catalog Number: AG3679	Calculated MW: 91 aa, 10 kDa, 59 kDa	

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

Product Information

83803-1-PBS targets MITF as part of a matched antibody pair:

MP00746-1: 83803-1-PBS capture and 83803-2-PBS detection (validated in Cytometric bead array)

MP00746-2: 83803-4-PBS capture and 83803-1-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

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.

Storage

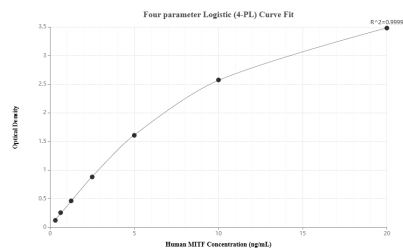
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

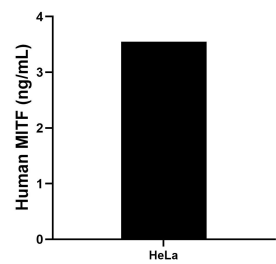
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

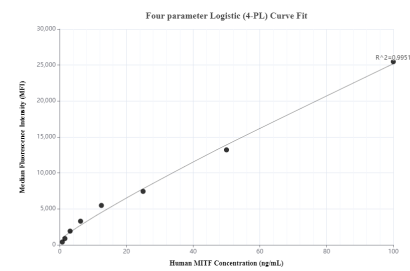
Selected Validation Data



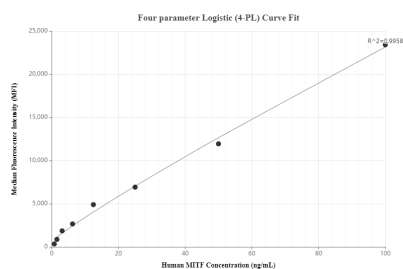
Sandwich ELISA standard curve of MP00746-2, Human MITF Recombinant Matched Antibody Pair - PBS only. 83803-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag3679. 83803-1-PBS was HRP conjugated as the detection antibody. Range: 0.313-20 ng/mL



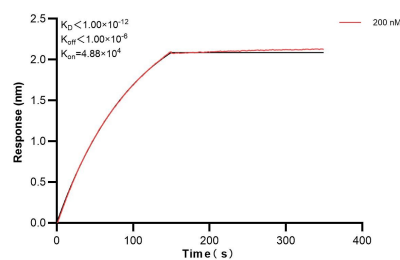
The mean MITF concentration was determined to be 3.55 ng/mL in HeLa cell extract based on a 2.7 mg/mL extract load.



Cytometric bead array standard curve of MP00746-1, MITF Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83803-1-PBS. Detection antibody: 83803-2-PBS. Standard: Ag3679. Range: 0.781-100 ng/mL



Cytometric bead array standard curve of MP00746-2, MITF Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83803-4-PBS. Detection antibody: 83803-1-PBS. Standard: Ag3679. Range: 0.781-100 ng/mL



Biolayer interferometry (BLI) kinetic assay of 83803-1-PBS against Human MITF was performed. The affinity constant is below 1 pM.