

For Research Use Only

Mouse IL-1 beta Recombinant antibody, PBS Only (Capture)

Catalog Number: 84136-1-PBS



Basic Information

Catalog Number: 84136-1-PBS	GenBank Accession Number: NM_008361.4	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 16176	CloneNo.: 241364B3
Source: Rabbit	UNIPROT ID: P10749	
Isotype: IgG	Full Name: interleukin 1 beta	
	Calculated MW: 31kDa	

Applications

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

Species Specificity:
mouse

Product Information

84136-1-PBS targets IL-1 beta as part of a matched antibody pair:

MP01046-3: 84136-1-PBS capture and 84136-3-PBS detection (validated in Cytometric bead array)

MP01046-4: 84136-1-PBS capture and 84136-6-PBS detection (validated in 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

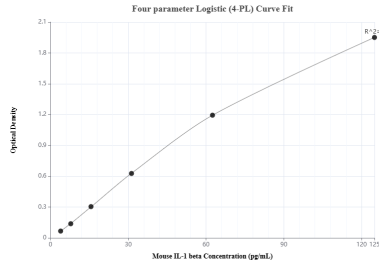
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

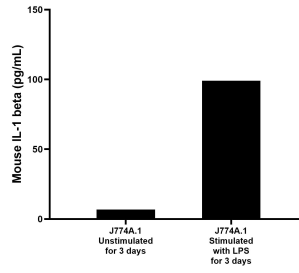
E: proteintech@ptglab.com
W: ptglab.com

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

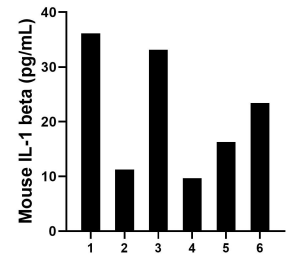
Selected Validation Data



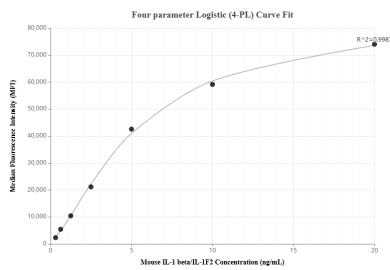
Sandwich ELISA standard curve of MP01046-4, Mouse IL-1 beta Recombinant Matched Antibody Pair - PBS only. 84136-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1577. 84136-6-PBS was HRP conjugated as the detection antibody. Range: 3.9-125 pg/mL



J774A.1 cells were cultured unstimulated or stimulated with 1 µg/mL LPS for 3 days. The mean IL-1 beta concentration was determined to be 6.8 pg/mL in unstimulated J774A.1 cell culture supernatant, 99.0 pg/mL in PHA stimulated J774A.1 cell culture supernatant.



Serum of six mice was measured. The mouse IL-1 beta concentration of detected samples was determined to 21.7 pg/mL with a range of 9.7 - 36.2 ng/mL.



Cytometric bead array standard curve of MP01046-3, MOUSE IL-1 beta Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84136-1-PBS. Detection antibody: 84136-3-PBS. Standard: Eg1577. Range: 0.313-20 ng/mL