

For Research Use Only

Rat IL-6 Recombinant antibody, PBS Only (Detector)



Catalog Number: 83179-3-PBS

Basic Information

Catalog Number: 83179-3-PBS	GenBank Accession Number: NM_012589.2	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 24498	CloneNo.: 240003G3
Source: Rabbit	UNIPROT ID: P20607	
Isotype: IgG	Full Name: interleukin 6	
	Calculated MW: 24 kDa	

Applications

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

Species Specificity:
rat

Product Information

83179-3-PBS targets IL-6 as part of a matched antibody pair:

MP00264-1: 83179-1-PBS capture and 83179-3-PBS detection (validated in Cytometric bead array)

MP00264-2: 83179-2-PBS capture and 83179-3-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

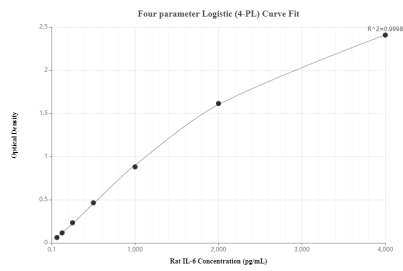
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

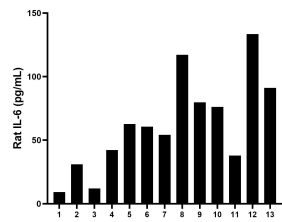
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

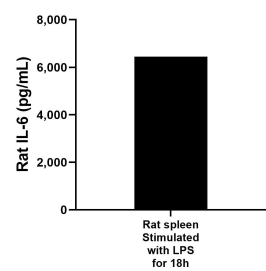
Selected Validation Data



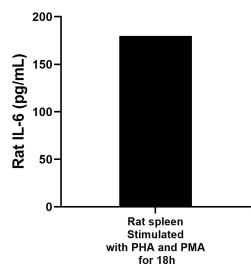
Sandwich ELISA standard curve of MP00264-2, Rat IL-6 Monoclonal Matched Antibody Pair - PBS only. 83179-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0800. 83179-3-PBS was HRP conjugated as the detection antibody. Range: 62.5-4000 pg/mL



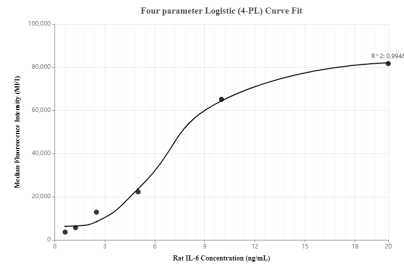
Sixteen rat serum samples were evaluated for rat IL-6 in this assay. Fourteen samples were measured below the minimum standard of 62.5 pg/mL. The measured results of the two samples were 117.15 pg/mL and 133.51 pg/mL, respectively.



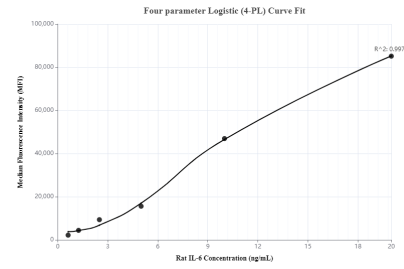
Three rats were given an intraperitoneal injection of 100 µg/kg of LPS. All rats were killed 4 hours after receiving LPS. Spleens were harvested and broken into individual cells by using homogenizer. Ratspleen conditioned media was collected after culturing in 60 mL of RPMI supplemented with 10% fetal bovine serum and stimulated with 1 µg/mL of LPS for 18 hours. An aliquot of the cell culture supernatant was removed, assayed for rat IL-6 and measured 6,449.6 pg/mL



One rat spleen was cultured for 18 hours in RPMI 1640 supplemented with 10% fetal bovine serum, 50 µM β-mercaptoethanol, 2 mM L-glutamine, and 100 µg/mL of streptomycin sulfate. The cells were stimulated with 10 µg/mL of PHA and 10 ng/mL of PMA. An aliquot of the cell culture supernatant was removed, assayed for rat IL-6 and measured 179.7 pg/mL



Cytometric bead array standard curve of MP00264-1, Rat IL-6 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83179-1-PBS. Detection antibody: 83179-3-PBS. Standard: Eg0800. Range: 0.625-20 ng/mL



Cytometric bead array standard curve of MP00264-2, Rat IL-6 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83179-2-PBS. Detection antibody: 83179-3-PBS. Standard: Eg0800. Range: 0.625-20 ng/mL