

For Research Use Only

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



Catalog Number: 83179-3-PBS

Basic Information

Catalog Number:

83179-3-PBS

Size:

1mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_012589.2

GeneID (NCBI):

24498

UNIPROT ID:

P20607

Full Name:

interleukin 6

Calculated MW:

24 kDa

Purification Method:

Protein A purification

CloneNo.:

240003G3

Applications

Tested Applications:

Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:

rat

Background Information

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

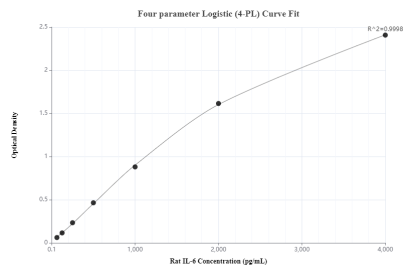
T: 4006900926

E: Proteintech-CN@ptglab.com

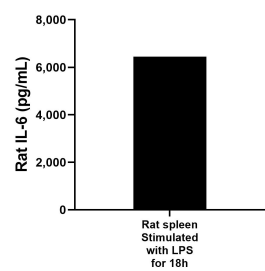
W: ptgcn.com

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

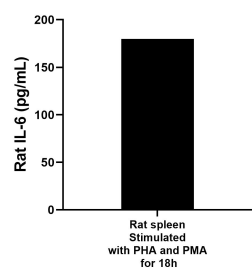
Selected Validation Data



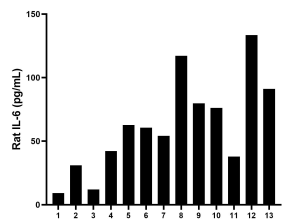
Sandwich ELISA standard curve of MP00264-2, Rat IL-6 Monoclonal Matched Antibody Pair - PBS only. 83179-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0800. 83179-3-PBS was HRP conjugated as the detection antibody. Range: 62.5-4000 pg/mL



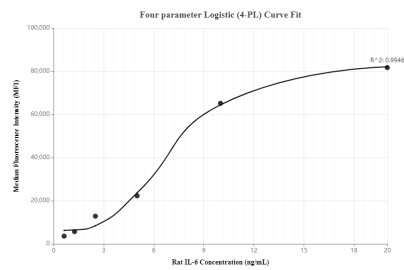
Three rats were given an intraperitoneal injection of 100 µg/kg of LPS. All rats were killed 4 hours after receiving LPS. Spleens were harvested and broken into individual cells by using homogenizer. Ratspleen conditioned media was collected after culturing in 60 mL of RPMI supplemented with 10% fetal 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



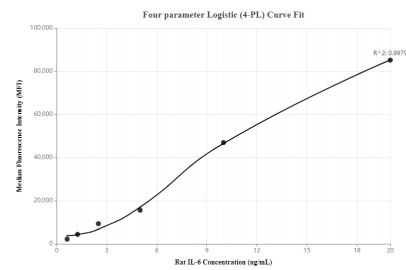
One rat spleen was cultured for 18 hours in RPMI 1640 supplemented with 10% fetal bovine serum, 50 µM β-mercaptoethanol, 2 mM L-glutamine, and 100 µg/mL of streptomycin sulfate. The cells were stimulated with 10 µg/mL of PHA and 10 ng/mL of PMA. An aliquot of the cell culture supernatant was removed,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



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.



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