

Rat IL-6 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP00264-2**

Capture Antibody Information

Catalog Number:

83179-2-PBS

Host:

Rabbit

Isotype:

IgG

Purification Method:

Protein A purification

Clone ID:

240003G2

Reactivity:

rat

Conjugate:

Unconjugated

Full name:

interleukin 6

Gene ID:

24498

Detection Antibody Information

Catalog Number:

83179-3-PBS

Host:

Rabbit

Isotype:

IgG

Purification Method:

Protein A purification

Clone ID:

240003G3

Reactivity:

rat

GenBank:

NM_012589.2

Conjugate:

Unconjugated

Full name:

interleukin 6

Gene ID:

24498

Applications

Tested Applications:

Cytometric bead array, Sandwich ELISA

Range:0.625-20 ng/mL (Cytometric Bead Array)
62.5-4000 pg/mL (Sandwich ELISA)**Recommended Dilutions:**

It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

Product Information

MP00264-2 targets IL-6 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: Rat IL-6 Recombinant antibody, PBS Only (Capture) 83179-2-PBS (240003G2). 100 µg. Concentration 1 mg/mL.

Detection antibody: Rat IL-6 Recombinant antibody, PBS Only (Detector) 83179-3-PBS (240003G3). 100 µg. Concentration 1 mg/mL.

Alternative IL-6 matched antibody pairs: MP00264-1, MP00264-3, MP00687-1, MP00687-2, MP00687-3, MP00756-1, MP00756-2, MP00756-3, MP50032-1, MP50032-2, MP50032-3, MP80002-1

Unconjugated rabbit recombinant monoclonal antibody pair in PBS only 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.

Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

Storage

Storage:

Store at -80°C.

Storage buffer:

PBS only

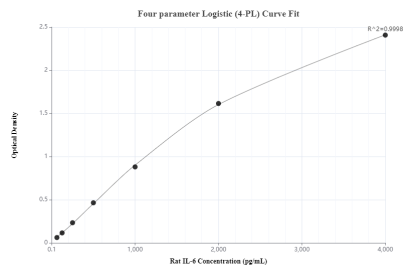
For technical support and original validation data for this product please contact:

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

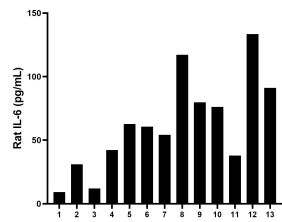
E: proteintech@ptglab.com
W: ptglab.com

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

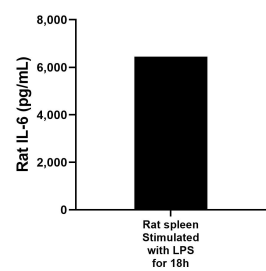
Selected Validation Data



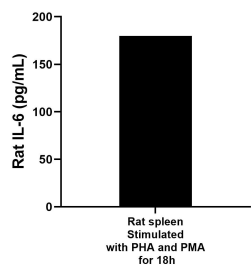
Sandwich ELISA standard curve of MP00264-2, Rat IL-6 Monoclonal Matched Antibody Pair - PBS only. 83179-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0800. 83179-3-PBS was HRP conjugated as the detection antibody. Range: 62.5-4000 pg/mL



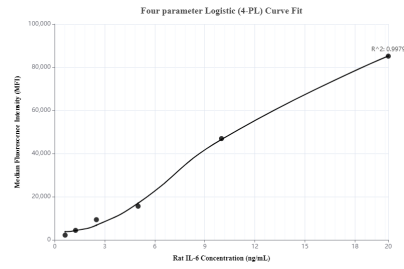
Sixteen rat serum samples were evaluated for rat IL-6 in this assay. Fourteen samples were measured below the minimum standard of 62.5 pg/mL. The measured results of the two samples were 117.15 pg/mL and 133.51 pg/mL, respectively.



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. Rat spleen 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 MP00264-2, 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