

# Rat IL-4 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP01293-4**

## Capture Antibody Information

**Catalog Number:**

84422-3-PBS

**Host:**

Rabbit

**Isotype:**

IgG

**Purification Method:**

Protein A purification

**Clone ID:**

241249E11

**Reactivity:**

rat

**GenBank:**

NM\_201270.1

**Conjugate:**

Unconjugated

**Full name:**

interleukin 4

**Gene ID:**

287287

## Detection Antibody Information

**Catalog Number:**

84422-5-PBS

**Host:**

Rabbit

**Isotype:**

IgG

**Purification Method:**

Protein A purification

**Clone ID:**

241249H7

**Reactivity:**

rat

**GenBank:**

NM\_201270.1

**Conjugate:**

Unconjugated

**Full name:**

interleukin 4

**Gene ID:**

287287

## Applications

**Tested Applications:**

Sandwich ELISA

**Range:**

39.1-2500 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

MP01293-4 targets IL-4 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: Rat IL-4 Recombinant antibody, PBS Only (Capture) 84422-3-PBS (241249E11). 100 µg. Concentration 1 mg/mL.

Detection antibody: Rat IL-4 Recombinant antibody, PBS Only (Capture/Detector) 84422-5-PBS (241249H7). 100 µg. Concentration 1 mg/mL.

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:**

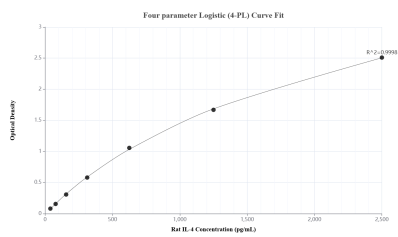
Store at -80°C.

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

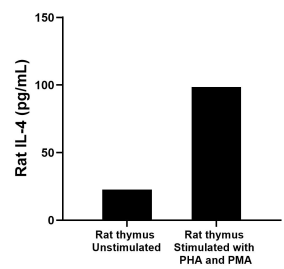
**Storage buffer:**

PBS only

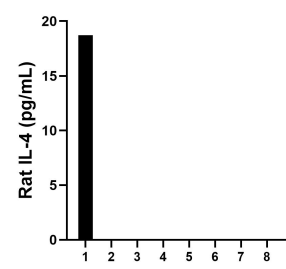
## Selected Validation Data



Sandwich ELISA standard curve of MP01293-4, Rat IL-4 Recombinant Matched Antibody Pair - PBS only. 84422-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1113. 84422-5-PBS was Biotin conjugated as the detection antibody. Range: 39.1-2500 pg/mL.



One rat thymus was cultured for 18 hours in RPMI 1640 supplemented with 10% fetal bovine serum, 50  $\mu$  M  $\beta$ -mercaptoethanol, 2 mM L-glutamine, and 100  $\mu$  g/mL of streptomycin sulfate. The cells were stimulated with 5  $\mu$  g/mL of PHA and 50 ng/mL of PMA for 7 days. An aliquot of the cell culture supernatant was removed, assayed for rat IL-4 and measured 98.5 pg/mL.



Serum of eight individual healthy human donors was measured. Seven measured less than the lowest rat IL-4 standard, 39.1 pg/mL. One sample read 18.7 pg/mL.