

# Rat CCL4/MIP-1 beta Recombinant Matched Antibody Pair, PBS Only

Catalog Number:MP03044-1

## Capture Antibody Information

**Catalog Number:**  
87439-1-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
251973B10  
**Reactivity:**  
rat  
**GenBank:**  
NM\_053858.1  
**Immunogen Catalog Number:**  
Eg3200

**Conjugate:**  
Unconjugated  
**Full name:**  
chemokine (C-C motif) ligand 4  
**Gene ID:**  
116637

## Detection Antibody Information

**Catalog Number:**  
87439-2-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
251973A4  
**Reactivity:**  
rat  
**GenBank:**  
NM\_053858.1  
**Immunogen Catalog Number:**  
Eg3200

**Conjugate:**  
Unconjugated  
**Full name:**  
chemokine (C-C motif) ligand 4  
**Gene ID:**  
116637

## Applications

**Tested Applications:**  
Cytometric bead array

**Range:**  
0.156-10 ng/mL (Cytometric Bead Array)

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

## Product Information

MP03044-1 targets CCL4/MIP-1 beta in immunoassays as a matched antibody pair. Validated in Cytometric bead array.

Capture antibody: Rat CCL4/MIP-1 beta Recombinant monoclonal antibody, PBS Only (Capture) 87439-1-PBS (251973B10). 100 µg. Concentration 1 mg/ml.

Detection antibody: Rat CCL4/MIP-1 beta Recombinant monoclonal antibody, PBS Only (Detector) 87439-2-PBS (251973A4). 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.

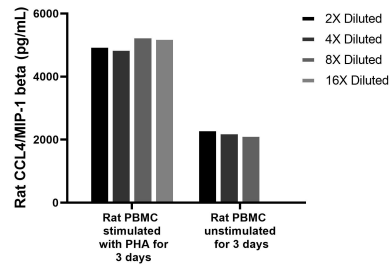
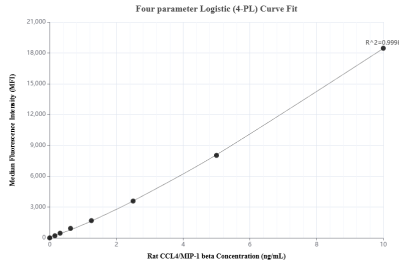
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

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



Cytometric bead array standard curve of MP03044-1, RAT CCL4/MIP-1 beta Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87439-1-PBS. Detection antibody: 87439-2-PBS. Standard: Eg3200. Range: 0.156-10 ng/mL

Rat peripheral blood mononuclear cells (PBMC) ( $1.0 \times 10^6$  cells/mL) were cultured in DMEM supplemented with 8% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100  $\mu$ g/mL streptomycin sulfate. Cells were cultured stimulated or unstimulated with 10  $\mu$ g/mL PHA for 3 days. Aliquots of the cell culture supernates were removed and assayed for levels of rat CCL4/MIP-1 beta, and measured 5102.7 pg/mL, 2247.5 pg/mL, respectively.