

# IL-31 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP01421-3**

## Capture Antibody Information

**Catalog Number:**

84575-4-PBS

**Host:**

Rabbit

**Isotype:**

IgG

**Purification Method:**

Protein A purification

**Clone ID:**

241892A6

**Reactivity:**

human

**GenBank:**

BC132998

**Conjugate:**

Unconjugated

**Full name:**

interleukin 31

**Gene ID:**

386653

## Detection Antibody Information

**Catalog Number:**

84575-3-PBS

**Host:**

Rabbit

**Isotype:**

IgG

**Purification Method:**

Protein A purification

**Clone ID:**

241892G4

**Reactivity:**

human

**GenBank:**

BC132998

**Conjugate:**

Unconjugated

**Full name:**

interleukin 31

**Gene ID:**

386653

## Applications

**Tested Applications:**

Sandwich ELISA

**Range:**

15.6-1000 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

MP01421-3 targets IL-31 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: IL31 Recombinant antibody, PBS Only (Capture) 84575-4-PBS (241892A6). 100  $\mu$ g. Concentration 1 mg/mL.

Detection antibody: IL31 Recombinant antibody, PBS Only (Detector) 84575-3-PBS (241892G4). 100  $\mu$ g. 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:**

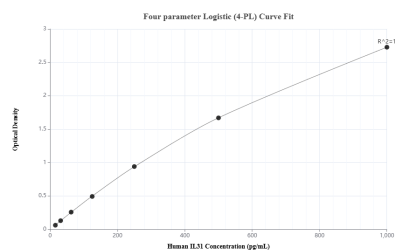
Store at -80°C.

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

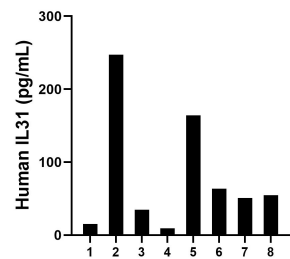
**Storage buffer:**

PBS only

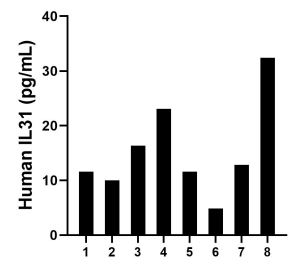
## Selected Validation Data



Sandwich ELISA standard curve of MP01421-3, Human IL31 Recombinant Matched Antibody Pair - PBS only. 84575-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg2222. 84575-3-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL



Serum of eight individual healthy human donors was measured. The human IL31 concentration of detected samples was determined to be 80.0 pg/mL with a range of 9.3 - 247.5 pg/mL



Plasma of eight individual healthy human donors was measured. The human IL31 concentration of detected samples was determined to be 15.3 pg/mL with a range of 4.8 - 32.4 pg/mL