

# IL-2 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP00545-4**

## Capture Antibody Information

**Catalog Number:**  
83558-7-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
252448F9  
**Reactivity:**  
human  
**GenBank:**  
**Immunogen Catalog Number:**  
HZ-1015

**Conjugate:**  
Unconjugated  
**Full name:**  
interleukin 2  
**Gene ID:**  
3558

## Detection Antibody Information

**Catalog Number:**  
83558-6-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
252448F3  
**Reactivity:**  
human  
**GenBank:**  
**Immunogen Catalog Number:**  
HZ-1015

**Conjugate:**  
Unconjugated  
**Full name:**  
interleukin 2  
**Gene ID:**  
3558

## Applications

**Tested Applications:**  
Cytometric bead array

**Range:**  
7.81-1000 pg/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

MP00545-4 targets IL-2 in immunoassays as a matched antibody pair. Validated in Cytometric bead array.

Capture antibody: IL-2 Recombinant monoclonal antibody, PBS Only (Capture) 83558-7-PBS (252448F9). 100 µg. Concentration 1 mg/mL.

Detection antibody: IL-2 Recombinant monoclonal antibody, PBS Only (Detector) 83558-6-PBS (252448F3). 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.

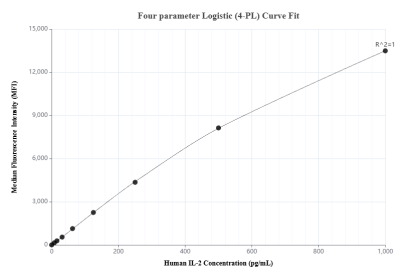
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

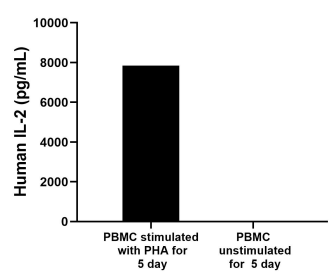
## Storage

**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 MP00545-4, IL-2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83558-7-PBS. Detection antibody: 83558-6-PBS. Standard: HZ-1015. Range: 7.81-1000 pg/mL.



Human peripheral blood mononuclear cells (PBMC) ( $1 \times 10^6$  cells/mL) were cultured in RPMI-1640 supplemented with 10% fetal bovine serum, 100 U/mL penicillin and 100  $\mu$ g/mL streptomycin sulfate. The cell culture supernatants were stimulated or unstimulated with 10  $\mu$ g/mL of PHA for 5 days. Aliquots of the cell culture supernates were removed and assayed for levels of human IL-2, and measured 7,841.4 pg/mL, 44.0 pg/mL respectively.