

For Research Use Only

IL-4 Recombinant Matched Antibody Pair, PBS Only



Catalog Number:MP00829-3

Capture Antibody Information

Catalog Number:
83894-2-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
240794D7

Reactivity:
human

Immunogen Catalog Number:
Eg0104

Conjugate:
Unconjugated

Full name:
interleukin 4

Gene ID:
3565

Detection Antibody Information

Catalog Number:
83894-5-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
240794H7

Reactivity:
human

GenBank:
BC070123

Immunogen Catalog Number:
Eg0104

Conjugate:
Unconjugated

Full name:
interleukin 4

Gene ID:
3565

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA

Range:
0.625-40 ng/mL (Cytometric Bead Array)
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

MP00829-3 targets IL-4 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: IL-4 Recombinant antibody, PBS Only (Capture) 83894-2-PBS (240794D7). 100 µg. Concentration 1 mg/mL.

Detection antibody: IL-4 Recombinant antibody, PBS Only (Detector) 83894-5-PBS (240794H7). 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.
Storage buffer:
PBS only

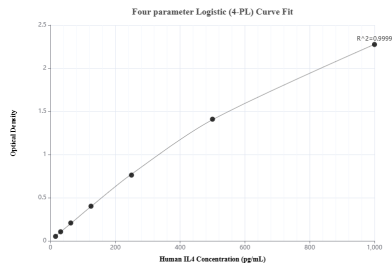
For technical support and original validation data for this product please contact:

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

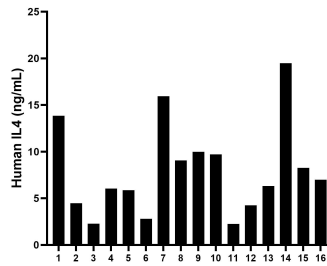
E: proteintech@ptglab.com
W: ptglab.com

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

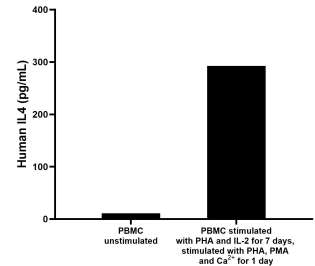
Selected Validation Data



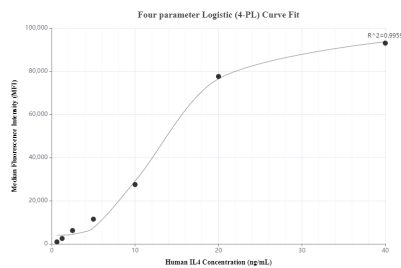
Sandwich ELISA standard curve of MP00829-3, Human IL-4 Recombinant Matched Antibody Pair - PBS only. 83894-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0104. 83894-5-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL



Serum of sixteen individual healthy human donors was measured. The human IL-4 concentration of detected samples was determined to be 7.97 pg/mL with a range of 2.25 - 19.49 pg/mL.



Human peripheral blood mononuclear cells (0.5×10^6 cells/mL) were cultured in RPMI supplemented with 10% fetal bovine serum, 5 µg/mL PHA, and 10 ng/mL recombinant human IL-2. After 7 days of culture, cells were changed into DMEM with 10% fetal bovine serum, 10 ng/mL PMA, 1 µg/mL Ca²⁺ ionophore, and 5 µg/mL PHA. Cell culture supernate was collected after 1d of stimulation and measured 292.5 pg/mL in stimulated PBMC supernatant, 11.2 pg/mL in



Cytometric bead array standard curve of MP00829-3, IL-4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83894-2-PBS. Detection antibody: 83894-5-PBS. Standard: Eg0104. Range: 0.625-40 ng/mL