

IL-11 Monoclonal Matched Antibody Pair, PBS Only

Catalog Number: **MP50054-1**

Capture Antibody Information

Catalog Number: 68135-2-PBS	Clone ID: 1B3H6	Conjugate: Unconjugated
Host: Mouse	Reactivity: human	Full name: interleukin 11
Isotype: IgG1	Immunogen Catalog Number: Ag11199	Gene ID: 3589
Purification Method: Protein G purification		Affinity: $K_D = 1.30 \times 10^{-9}M$ $K_{Off} = 6.38 \times 10^{-6}M$ $K_{On} = 4.89 \times 10^3M$

Detection Antibody Information

Catalog Number: 68135-1-PBS	Clone ID: 1F3A12	Conjugate: Unconjugated
Host: Mouse	Reactivity: human	Full name: interleukin 11
Isotype: IgG2b	GenBank: BC012506	Gene ID: 3589
Purification Method: Protein A purification	Immunogen Catalog Number: Ag11199	Affinity: $K_D = 1.80 \times 10^{-9}M$ $K_{Off} = 2.20 \times 10^{-6}M$ $K_{On} = 1.22 \times 10^3M$

Applications

Tested Applications: Cytometric bead array, Sandwich ELISA	Range: 1.563-100 ng/mL (Cytometric Bead Array) 6.25-400 pg/mL (Sandwich ELISA)	Recommended Dilutions: It is recommended that this reagent should be titrated in each testing system to obtain optimal results.
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Product Information

MP50054-1 targets IL-11 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: IL-11 Monoclonal antibody, PBS Only (Capture) 68135-2-PBS (1B3H6). 100 µg. Concentration 1 mg/mL.

Detection antibody: IL-11 Monoclonal antibody, PBS Only (Detector) 68135-1-PBS (1F3A12). 100 µg. Concentration 1 mg/mL.

Unconjugated mouse monoclonal antibody pair in PBS only storage buffer at a concentration of 1 mg/mL, ready for conjugation.

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

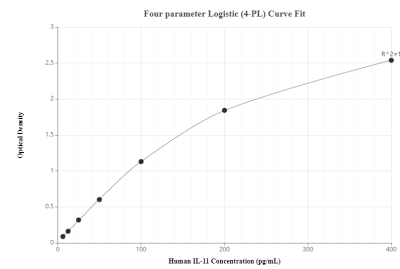
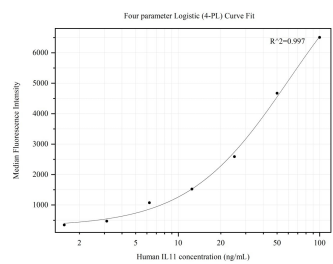
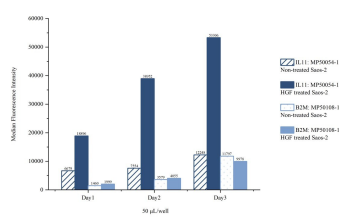
For technical support and original validation data for this product please contact:

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

Selected Validation Data

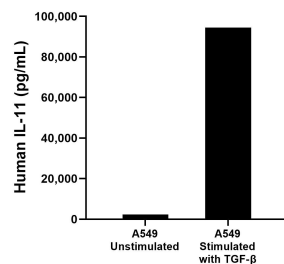
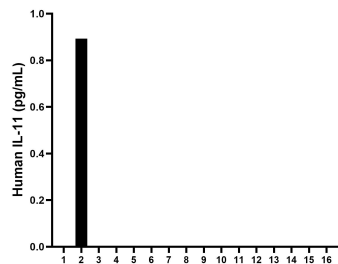


Cytometric bead array of Saos-2 cells supernatant using MP50054-1, IL11 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 68135-2-PBS. Detection antibody: 68135-1-PBS. Saos-2 cells were inoculated into 6 well plate at 40000 cells/well followed by culture for 3 days in normal culture media or HGF (Cat.NO. HZ-1084, 500 ng/mL) containing media. 50 μ L of the supernatant from each day was analyzed using MP50054-1 (IL11



Cytometric bead array standard curve of MP50054-1, IL11 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 68135-2-PBS. Detection antibody: 68135-1-PBS. Standard:Ag11199. Range: 1.563-100 ng/mL

Sandwich ELISA standard curve of MP50054-1, IL11 Monoclonal Matched Antibody Pair - PBS only. 68135-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag11199. 68135-1-PBS was biotinylated as the detection antibody. Range: 6.25-400 pg/mL



Serum of sixteen individual healthy human donors was measured. All samples measured less than the lowest human IL-11 standard, 6.25 pg/mL

A549 cells were cultured unstimulated or stimulated with 2 ng/mL human TGF- β for 2 days. The mean IL-11 concentration was determined to be 2,309.9 pg/mL in unstimulated A549 supernatant, 94,433.7 pg/mL in stimulated A549 supernatant.