

# IL-11 Monoclonal Matched Antibody Pair, PBS Only

Catalog Number: **MP50054-1**

## Capture Antibody Information

**Catalog Number:**  
68135-2-PBS

**Host:**  
Mouse

**Isotype:**  
IgG1

**Purification Method:**  
Protein G purification

**Clone ID:**  
1B3H6

**Reactivity:**  
human

**GenBank:**  
BC012506

**Immunogen Catalog Number:**  
Ag11199

**Conjugate:**  
Unconjugated

**Full name:**  
interleukin 11

**Gene ID:**  
3589

**Affinity:**  
 $K_D = 1.30 \times 10^{-9}$   
 $K_{Off} = 6.38 \times 10^{-6}$   
 $K_{On} = 4.89 \times 10^3$

## Detection Antibody Information

**Catalog Number:**  
68135-1-PBS

**Host:**  
Mouse

**Isotype:**  
IgG2b

**Purification Method:**  
Protein A purification

**Clone ID:**  
1F3A12

**Reactivity:**  
human

**GenBank:**  
BC012506

**Immunogen Catalog Number:**  
Ag11199

**Conjugate:**  
Unconjugated

**Full name:**  
interleukin 11

**Gene ID:**  
3589

**Affinity:**  
 $K_D = 1.80 \times 10^{-9}$   
 $K_{Off} = 2.20 \times 10^{-6}$   
 $K_{On} = 1.22 \times 10^3$

## 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.

## 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.

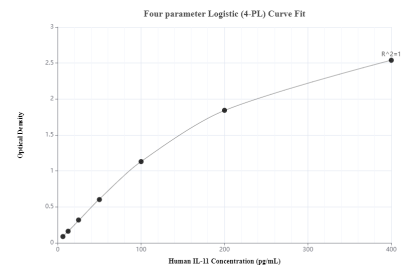
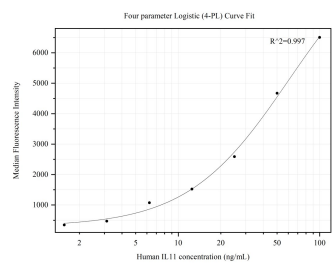
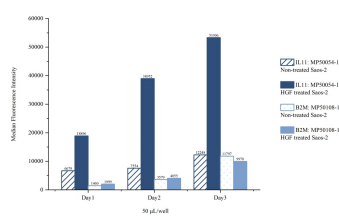
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

## Storage

**Storage:**  
Store at -80°C.  
 The product is shipped with ice packs. Upon receipt, store it immediately at -80°C  
**Storage buffer:**  
PBS only

Selected Validation Data

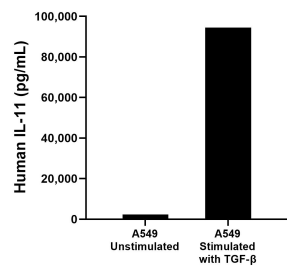
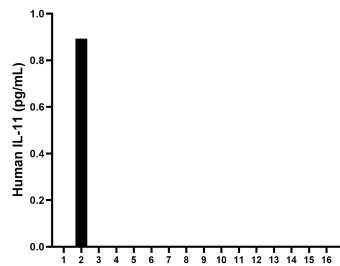


Cytometric bead array of Saos-2 cells supernatant using MP50054-1, IL11 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 68135-2-PBS. Detection antibody: 68135-1-PBS. Saos-2 cells were inoculated into 6 well plate at 40000 cells/well followed by culture for 3 days in normal culture media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



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- $\beta$  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.