

# IL-33 Recombinant Matched Antibody Pair, PBS Only

Catalog Number:MP00763-4

## Capture Antibody Information

**Catalog Number:**  
83765-6-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
252156C5  
**Reactivity:**  
human  
**GenBank:**  
BC047085  
**Immunogen Catalog Number:**  
Eg7061

**Conjugate:**  
Unconjugated  
**Full name:**  
interleukin 33  
**Gene ID:**  
90865

## Detection Antibody Information

**Catalog Number:**  
83765-5-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
252156G9  
**Reactivity:**  
human  
**GenBank:**  
BC047085  
**Immunogen Catalog Number:**  
Eg7061

**Conjugate:**  
Unconjugated  
**Full name:**  
interleukin 33  
**Gene ID:**  
90865

## Applications

**Tested Applications:**  
Sandwich ELISA

**Range:**  
23.4-1500 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

MP00763-4 targets IL-33 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: IL-33 Recombinant monoclonal antibody, PBS Only (Capture) 83765-6-PBS (252156C5). 100 µg. Concentration 1 mg/mL.

Detection antibody: IL-33 Recombinant monoclonal antibody, PBS Only (Detector) 83765-5-PBS (252156G9). 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.

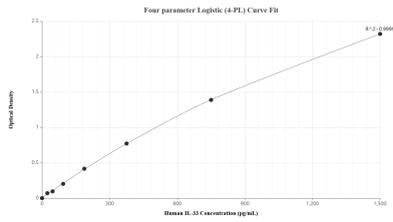
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

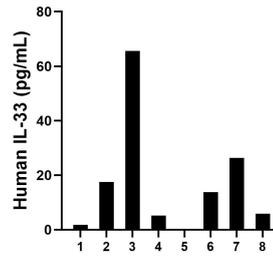
## Storage

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

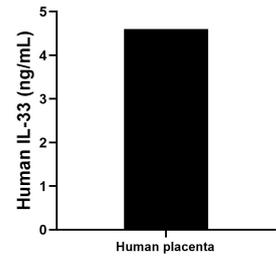
## Selected Validation Data



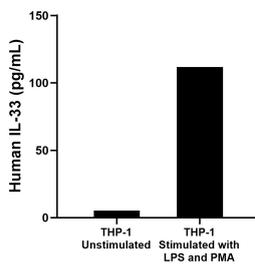
Sandwich ELISA standard curve of MP00763-4, Human IL-33 Recombinant Matched Antibody Pair - PBS only. 83765-6-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg7061. 83765-5-PBS was biotinylated as the detection antibody. Range: 23.4-1500 pg/mL



Plasma of eight individual healthy human donors was measured. The IL-33 concentration of detected samples was determined to be 19.5 pg/mL with a range of ND-65.6 pg/mL.



The mean IL-33 concentration was determined to be 4.6 ng/mL in human placenta tissue extract based on a 3.8 mg/mL extract load.



THP-1 cells were cultured unstimulated or stimulated with 1  $\mu$ g/mL LPS and 50 ng/mL PMA for 1 day. The mean IL-33 concentration was determined to be 5.2 pg/mL in unstimulated supernatant and 111.7 pg/mL in stimulated supernatant.