

# FCGR3B/CD16b Monoclonal Matched Antibody Pair, PBS Only

Catalog Number: MP50059-1

## Capture Antibody Information

Catalog Number:  
68677-1-PBS  
Host:  
Mouse  
Isotype:  
IgG2a  
Purification Method:  
Protein A purification

Clone ID:  
3C4G3  
Reactivity:  
human  
GenBank:  
NM\_000570  
Immunogen Catalog Number:  
Eg0308

Conjugate:  
Unconjugated  
Full name:  
Fc fragment of IgG, low affinity IIIb, receptor (CD16b)  
Gene ID:  
2215

## Detection Antibody Information

Catalog Number:  
68677-2-PBS  
Host:  
Mouse  
Isotype:  
IgG2a  
Purification Method:  
Protein A purification

Clone ID:  
4E7D3  
Reactivity:  
human  
GenBank:  
NM\_000570  
Immunogen Catalog Number:  
Eg0308

Conjugate:  
Unconjugated  
Full name:  
Fc fragment of IgG, low affinity IIIb, receptor (CD16b)  
Gene ID:  
2215

## Applications

Tested Applications:  
Sandwich ELISA

Range:  
0.39-25 ng/mL (Sandwich ELISA)

Recommended Dilutions:  
It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

## Product Information

MP50059-1 targets FCGR3B/CD16b in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: FCGR3B/CD16b Monoclonal antibody, PBS Only (Capture) 68677-1-PBS (3C4G3). 100 µg. Concentration 1 mg/mL.

Detection antibody: FCGR3B/CD16b Monoclonal antibody, PBS Only (Capture/Detector) 68677-2-PBS (4E7D3). 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.

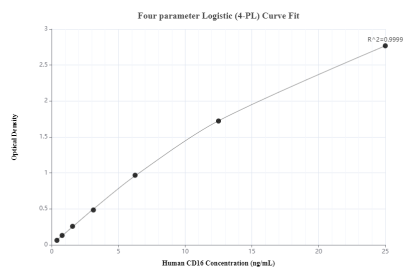
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

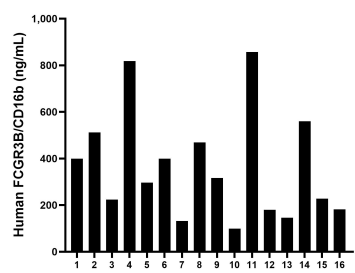
## Storage

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



Sandwich ELISA standard curve of MP50059-1, FCGR3B Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 68677-1-PBS. Detection antibody: 68677-2-PBS. Standard: Eg0308. Range: 0.39-25 ng/mL.



Serum of sixteen individual healthy human donors was measured. The FCGR3B/CD16b concentration of detected samples was determined to be 363.71 ng/mL with a range of 99.26-857.41 ng/mL.