

For Research Use Only

# FCGR3B/CD16b Monoclonal antibody, PBS Only (Capture/Detector)

Catalog Number: 68677-2-PBS



## Basic Information

<b>Catalog Number:</b> 68677-2-PBS	<b>GenBank Accession Number:</b> NM_000570	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2215	<b>CloneNo.:</b> 4E7D3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O75015	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> Fc fragment of IgG, low affinity IIIb, receptor (CD16b)	
<b>Immunogen Catalog Number:</b> EG0308	<b>Calculated MW:</b> 26 kDa	

## Applications

**Tested Applications:**  
Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**  
human

## Product Information

68677-2-PBS targets FCGR3B/CD16b as part of a matched antibody pair:

MP50059-1: 68677-1-PBS capture and 68677-2-PBS detection (validated in Sandwich ELISA)

MP50059-2: 68677-2-PBS capture and 68677-3-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Storage

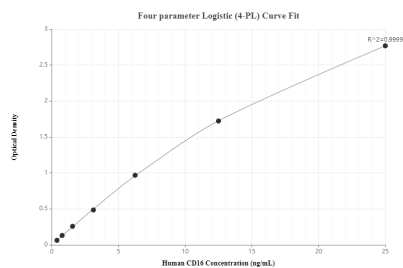
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

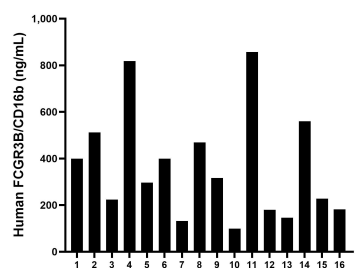
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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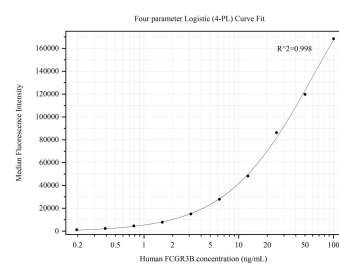
## Selected Validation Data



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.



Cytometric bead array standard curve of MP50059-2, FCGR3B Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 68677-2-PBS. Detection antibody: 68677-3-PBS. Standard:Eg0308. Range: 0.195-100 ng/mL.