

For Research Use Only

# SIGIRR Monoclonal antibody, PBS Only (Capture)

Catalog Number: 61011-1-PBS



## Basic Information

<b>Catalog Number:</b> 61011-1-PBS	<b>GenBank Accession Number:</b> BC025953	<b>Purification Method:</b> Protein A Magarose purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 59307	<b>CloneNo.:</b> 1A2C2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q6IA17	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> single immunoglobulin and toll-interleukin 1 receptor (TIR) domain	
<b>Immunogen Catalog Number:</b> AG32814	<b>Calculated MW:</b> 46 kDa	

## Applications

**Tested Applications:**  
Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Product Information

61011-1-PBS targets SIGIRR as part of a matched antibody pair:

MP51473-1: 61011-1-PBS capture and 61011-2-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.

## Background Information

SIGIRR (also known as TIR8) is a member of the toll-like receptor (TLR)/interleukin 1 receptor (IL-1R) superfamily, with a single immunoglobulin extracellular domain and a TIR (Toll/IL-1R) intracellular domain. SIGIRR functions as a negative regulator for IL-1 and LPS signaling, through its interaction with the TLR4 and IL-1R complex. SIGIRR is an important modulator of intestinal epithelial homeostasis and a key regulator of mucosal immunity, maintaining microbial tolerance of the intestinal epithelial layer (PMID: 17398123). The molecular weight of the glycosylated SIGIRR was found to be in the range 50-80 kDa (PMID: 10346978; 17495864).

## Storage

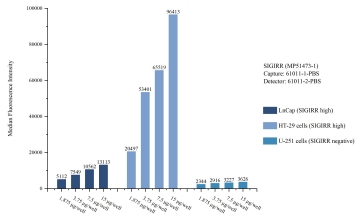
**Storage:**  
Store at -80°C.

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

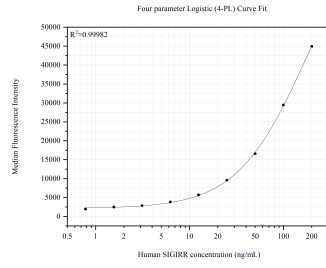
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

**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 sample test of MP51473-1, SIGIRR Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 61011-1-PBS. Detection antibody: 61011-2-PBS.



Cytometric bead array standard curve of MP51473-1, SIGIRR Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 61011-1-PBS. Detection antibody: 61011-2-PBS. Standard: Ag32814. Range: 0.781-200 ng/mL.