

For Research Use Only

IL-29 Monoclonal antibody, PBS Only (Capture)

Catalog Number: 66163-1-PBS



Basic Information

Catalog Number: 66163-1-PBS	GenBank Accession Number: BC074985	Purification Method: Protein G purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 282618	CloneNo.: 1H3A3
Source: Mouse	UNIPROT ID: Q8IU54	
Isotype: IgG1	Full Name: interleukin 29 (interferon, lambda 1)	
Immunogen Catalog Number: AG12444	Calculated MW: 200 aa, 22 kDa	
	Observed MW: 22 kDa	

Applications

Tested Applications:
WB, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

Product Information

66163-1-PBS targets IL-29 as part of a matched antibody pair:

MP50009-1: 66163-1-PBS capture and 68671-1-PBS detection (validated in Sandwich ELISA)

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

Interleukin-29 (IL-29) is a cytokine belonging to the Type III interferon family, which has another two subfamilies IL-28A and IL-28B. They are also known as IFN- λ 1, IFN- λ 2 and IFN- λ 3, respectively. IL-29 is produced predominantly by maturing dendritic cells and macrophages. IL-29 plays an important role in the immune response against pathogens and especially against viruses by mechanisms similar to type I interferons. IL-29 receptor signals through JAK-STAT pathways leading to activated expression of interferon-stimulated genes and production of antiviral proteins.

Storage

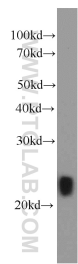
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

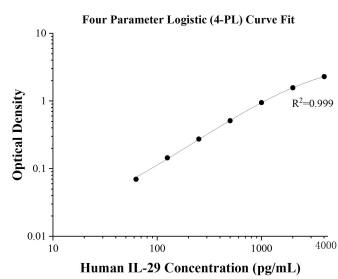
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

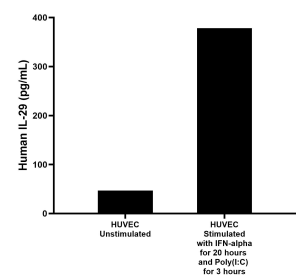
Selected Validation Data



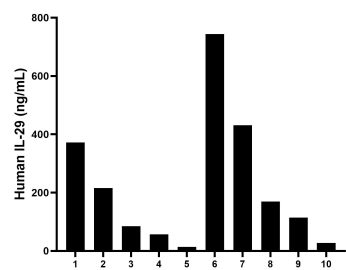
GST tagged recombinant IL29 protein were subjected to SDS PAGE followed by western blot with 66163-1-Ig (IL-29 antibody at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66163-1-PBS in a different storage buffer formulation.



Sandwich ELISA standard curve of MP50009-1, IL-29 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66163-1-PBS. Detection antibody: 68671-1-PBS. Standard: HZ-1156. Range: 62.5-4000 pg/mL



HUVEC human umbilical vein endothelial cells were cultured in EGM-2 and stimulated with 100 ng/mL IFN-alpha for 20 hours and 30 µg/mL Poly(I:C) for 3 hours. The mean IL-29 concentration was determined to be 46.8 pg/mL in unstimulated HUVEC supernatant, 378.1 pg/mL in stimulated HUVEC supernatant.



Serum of ten individual healthy human donors was measured. The human IL-29 concentration of detected samples was determined to be 185.8 pg/mL with a range of 13.7 - 744.0 pg/mL