

For Research Use Only

CoraLite® Plus 488-conjugated IL-27 Monoclonal antibody



Catalog Number: CL488-66164

Basic Information

Catalog Number: CL488-66164	GenBank Accession Number: BC062422	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 246778	CloneNo.: 1E1H5
Source: Mouse	UNIPROT ID: Q8NEV9	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG2b	Full Name: interleukin 27	
Immunogen Catalog Number: AG21436	Calculated MW: 243 aa, 27 kDa	
	Observed MW: 31 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human

Background Information

IL-27, as a member of the IL-6/IL-12 family, is a heterodimeric cytokine composed of two subunits: p28 (IL-27a) and EBI3 (IL-27b). IL-27 acts on various cell types, including T cells, B cells, macrophages, dendritic cells, natural killer (NK) cells and non-hematopoietic cells. IL-27 plays a critical role in the early regulation of T helper type 1 initiation, and enhances proliferation of naive CD4+T cells and naive B cells. It, however, also exerts anti-inflammatory functions by inhibiting the development of Th17 cells and inducing IL-10 producing type 1 regulatory T cells. IL-27 is a potentially promising cytokine for therapeutic approaches on various human diseases.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

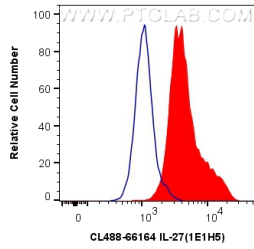
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



1X10⁶ Jurkat cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human IL-27 (CL488-66164, Clone:1E1H5) (red), or 0.4 ug Mouse IgG2b Isotype Control (CL488-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).