

For Research Use Only

CoraLite® Plus 488-conjugated IL-9 Monoclonal antibody



Catalog Number: **CL488-66144**

Basic Information

Catalog Number: CL488-66144	GenBank Accession Number: BC066284	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3578	CloneNo.: 1F3A11
Source: Mouse	Full Name: interleukin 9	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2b	Calculated MW: 144 aa, 16 kDa	Excitation/Emission maxima wavelengths: 488 nm / 515 nm
Immunogen Catalog Number: AG21435	Observed MW: 19 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : human tonsillitis tissue,
Species Specificity: human	

Background Information

Interleukin 9 (IL-9) is a γ c-family cytokine that is highly produced by T-helper 9 (Th9) cells. IL-9 could promote the survival and activation of various cellular targets, including mast cells, B cells, T cells, and structural cells. Its expression is considered a hallmark of Th2-lineage cells. Primarily studied in Th2-type immunity, IL-9 was shown to be involved in asthma, allergy, and host defense against helminth infections. IL-9 also stimulates cell proliferation and prevents apoptosis. It functions through the interleukin 9 receptor (IL9R), which activates different signal transducer and activator (STAT) proteins and thus connects this cytokine to various biological processes.

Storage

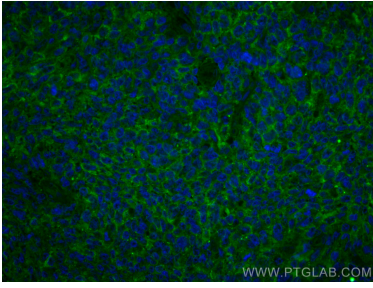
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

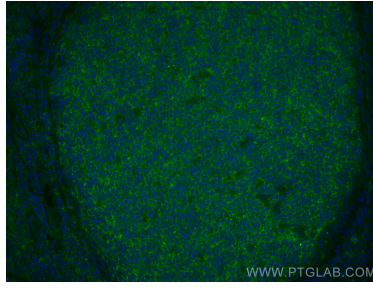
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite®@488 IL-9 antibody (CL488-66144, Clone: 1F3A11) at dilution of 1:200.



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