

For Research Use Only

# CoraLite®594-conjugated IL-9 Monoclonal antibody

Catalog Number:CL594-66144



## Basic Information

Catalog Number:

CL594-66144

Size:

100ul , Concentration: 1000 ug/ml by  
Nanodrop;

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG21435

GenBank Accession Number:

BC066284

GeneID (NCBI):

3578

UNIPROT ID:

P15248

Full Name:

interleukin 9

Calculated MW:

144 aa, 16 kDa

Observed MW:

19 kDa

Purification Method:

Protein A purification

CloneNo.:

1F3A11

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima  
wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

IF-P

Species Specificity:

human

Positive Controls:

IF-P : human tonsillitis tissue,

## Background Information

Interleukin 9 (IL-9) is a  $\gamma$  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

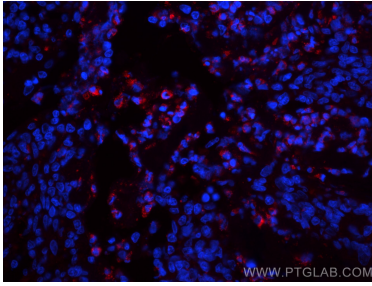
For technical support and original validation data for this product please contact:

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in USA), or 1(312) 455-8498 (outside USA)

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W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite®594 IL-9 antibody (CL594-66144, Clone: 1F3A11 ) at dilution of 1:200.