

# CoraLite®594-conjugated LAIR1 Monoclonal antibody

Catalog Number: **CL594-67220**

## Basic Information

**Catalog Number:**

CL594-67220

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2a

**Immunogen Catalog Number:**

AG14459

**GenBank Accession Number:**

BC027899

**GeneID (NCBI):**

3903

**UNIPROT ID:**

Q6GTX8

**Full Name:**leukocyte-associated  
immunoglobulin-like receptor 1**Calculated MW:**

287 aa, 31 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

1A5D1

**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

Leukocyte-associated immunoglobulin-like receptor 1 (LAIR1) is a transmembrane glycoprotein with a single immunoglobulin-like domain and a cytoplasmic tail containing two immune receptor tyrosine-based inhibitory motifs (PMID: 9285412). LAIR1 is expressed on the majority of human PBMCs, including NK, T, B, monocytes, and dendritic cells, as well as the majority of thymocytes (PMID: 10229813). It functions as an inhibitory receptor that plays a constitutive negative regulatory role on cytolytic function of NK cells, B cells and T cells. LAIR1 is a collagen receptor (PMID: 16754721). Tumor-expressed collagens can modulate immune cell function through the inhibitory collagen receptor LAIR1 (PMID: 21955987).

## Storage

**Storage:**

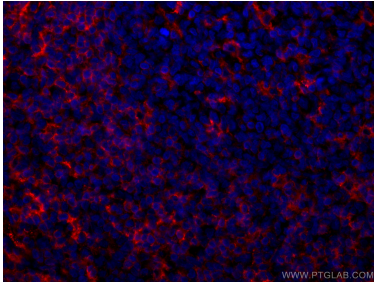
Store at -20°C. Avoid exposure to light.

**Storage Buffer:**

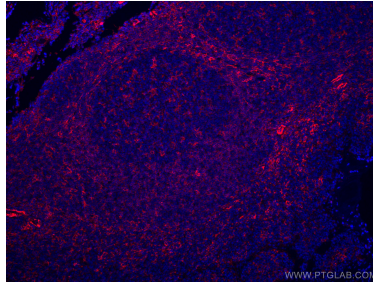
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite®594 LAIR1 antibody (CL594-67220, Clone: 1A5D1 ) at dilution of 1:200.



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