

# CoraLite®594-conjugated LAP3 Monoclonal antibody

Catalog Number:CL594-66417

## Basic Information

**Catalog Number:**

CL594-66417

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG6300

**GenBank Accession Number:**

BC065564

**GeneID (NCBI):**

51056

**UNIPROT ID:**

P28838

**Full Name:**

leucine aminopeptidase 3

**Calculated MW:**

56 kDa

**Observed MW:**

56 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1B11B8

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

588 nm / 604 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

human, mouse, rat, pig

**Positive Controls:**

IF/ICC : HeLa cells,

## Background Information

LAP3 (Leucine aminopeptidase 3) is also named as LAPEP, PEPS (peptidase S) and belongs to the peptidase M17 family. It can catalyze the removal of unsubstituted N-terminal amino-acids from various peptides and be presumably involved in the processing and regular turnover of intracellular proteins. PEPS is found in a wide variety of tissues and cultured cells but not in red cells and skin. The enzyme can utilize several di-, tri-, and tetrapeptides as substrates and is the slowest migrating of the peptidases after electrophoresis (PMID:689684). LAP3 has two isoforms with MW of 52 and 56 kDa.

## Storage

**Storage:**

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

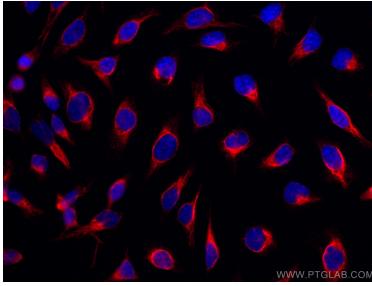
**Storage Buffer:**

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

Aliquoting is unnecessary for -20°C storage

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Coralite® 594 LAP3 antibody (CL594-66417, Clone: 1B11B8 ) at dilution of 1:100. DAPI (blue).