

# CoraLite<sup>®</sup> Plus 488-conjugated CD82 Monoclonal antibody

Catalog Number: **CL488-66803**

## Basic Information

**Catalog Number:**

CL488-66803

**Size:**1000  $\mu$ g/ml**Source:**

Mouse

**Isotype:**

IgG2a

**Immunogen Catalog Number:**

AG17513

**GenBank Accession Number:**

BC000726

**GeneID (NCBI):**

3732

**UNIPROT ID:**

P27701

**Full Name:**

CD82 molecule

**Calculated MW:**

30 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

1E7A4

**Recommended Dilutions:**

IF-P 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF-P

**Species Specificity:**

Human, mouse

**Positive Controls:**IF-P : human tonsillitis tissue, human ovary tumor  
tissue

## Background Information

CD82 is a membrane glycoprotein and belongs to the tetraspanin superfamily, many of which are implicated in the regulation of cell motility, morphology, fusion, signaling, fertilization, and differentiation. CD82 was originally identified as a suppressor of metastasis located on human chromosome 11p11.2 in prostate carcinoma. The majority of evidence indicates that CD82 expression is downregulated or abolished in a variety of malignant tumors. CD82 is present at high levels in human monocyte and macrophage lineages and in various epithelial cells in the prostate, lung, pancreas and many other tissues. In epithelial cells, CD82 is implicated in diverse biological processes such as cell adhesion, migration, apoptosis and morphogenesis.

## Storage

**Storage:**

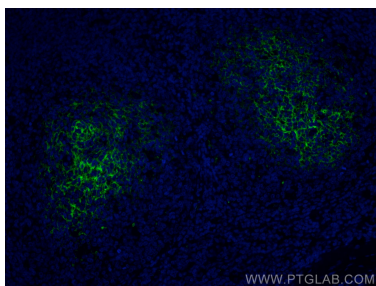
Store at -20°C. Avoid exposure to light.

**Storage Buffer:**

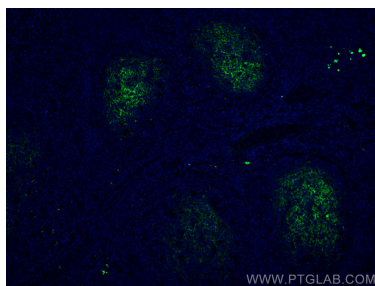
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite® Plus 488 CD82 antibody (CL488-66803, Clone: 1E7A4 ) at dilution of 1:200.



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