

# CoraLite® Plus 488-conjugated CD3 Gamma Monoclonal antibody

Catalog Number: **CL488-60347**

## Basic Information

**Catalog Number:**

CL488-60347

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2b

**Immunogen Catalog Number:**

AG15502

**GenBank Accession Number:**

BC113830

**GeneID (NCBI):**

917

**UNIPROT ID:**

P09693

**Full Name:**

CD3g molecule, gamma (CD3-TCR complex)

**Calculated MW:**

182 aa, 20 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

2E9G7

**Recommended Dilutions:**

IF-P 1:50-1:500

**Excitation/Emission maxima wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

human

**Positive Controls:**

IF-P : human tonsillitis tissue,

## Background Information

CD3 is a complex of proteins that directly associates with the T cell receptor (TCR). The TCR/CD3 complex of T-lymphocytes consists of either a TCR alpha/beta or TCR gamma/delta heterodimer coexpressed at the cell surface with the invariant subunits of CD3 labeled gamma, delta, epsilon, zeta, and eta. The TCR recognizes antigens bound to major histocompatibility complex (MHC) molecules. TCR-mediated peptide-MHC recognition is transmitted to the CD3 complex, leading to the intracellular signal transduction. CD3 is considered to be a pan-T cell marker for detection of normal and neoplastic T cells. The antibody is conjugated with CL488, Ex/Em 488 nm/515 nm.

## Storage

**Storage:**

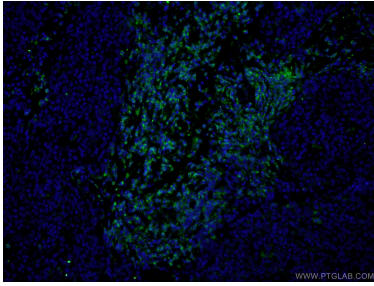
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

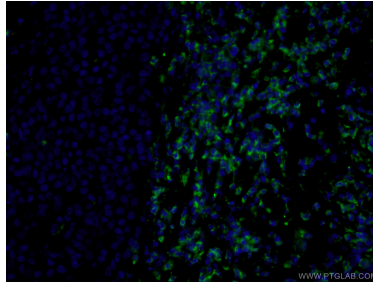
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CL488-60347 (CD3 gamma antibody) at dilution of 1:100.



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