

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 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF : 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:

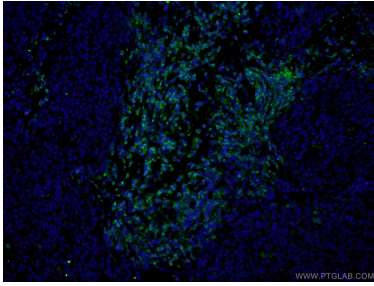
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

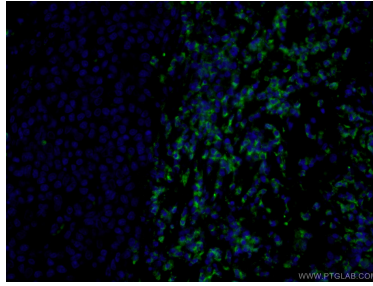
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

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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