

CoraLite®594-conjugated PI3 Kinase p110 Alpha Monoclonal antibody

Catalog Number: **CL594-67071**

Basic Information

Catalog Number:

CL594-67071

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG17392

GenBank Accession Number:

BC113601

GeneID (NCBI):

5290

UNIPROT ID:

P42336

Full Name:phosphoinositide-3-kinase, catalytic,
alpha polypeptide**Calculated MW:**

1068 aa, 124 kDa

Observed MW:

110 kDa

Purification Method:

Protein A purification

CloneNo.:

1F6A7

Recommended Dilutions:

IF/ICC 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : HeLa cells,

Background Information

PIK3CA belongs to the PI3/PI4-kinase family. It phosphorylates PtdIns, PtdIns4P and PtdIns(4,5)P2 with a preference for PtdIns(4,5)P2. Defects in PIK3CA are associated with colorectal cancer (CRC). Defects in PIK3CA are associated with breast cancer. Defects in PIK3CA are associated with ovarian cancer. Defects in PIK3CA may underlie hepatocellular carcinoma (HCC). Defects in PIK3CA are a cause of keratosis seborrheic (KERSEB).

Storage

Storage:

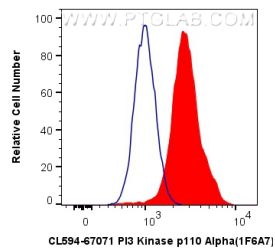
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

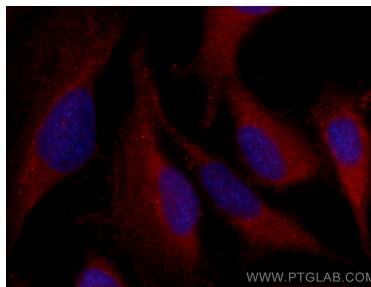
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



1X10⁶ Jurkat cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human PI3 Kinase p110 Alpha (CL594-67071, Clone:1F6A7) (red), or 0.4 ug Mouse IgG2b Isotype Control (CL594-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite®594 PI3 Kinase p110 Alpha antibody (CL594-67071, Clone: 1F6A7) at dilution of 1:200.