

CoraLite®594-conjugated ALDH3A1 Monoclonal antibody

Catalog Number: **CL594-68036**

Basic Information

Catalog Number:

CL594-68036

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG8125

GenBank Accession Number:

BC004370

GeneID (NCBI):

218

UNIPROT ID:

P30838

Full Name:

aldehyde dehydrogenase 3 family,
memberA1

Calculated MW:

50 kDa

Observed MW:

50 kDa

Purification Method:

Protein G purification

CloneNo.:

1D4G7

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 : HEK-293 cells,

Background Information

ALDH3A1 (Aldehyde dehydrogenase, dimeric NADP-preferring), also named as ALDH3, is a member of the ALDH superfamily, which consists of NAD(P)+-dependent enzymes that catalyse the oxidation of a wide variety of endogenously produced and exogenous aldehydes to their corresponding acids. It is expressed at high concentrations in the mammalian cornea and it is believed that it protects this vital tissue and the rest of the eye against UVlight-induced damage.(PMID:12943535). It can exist as a dimer(PMID:16919242).

Storage

Storage:

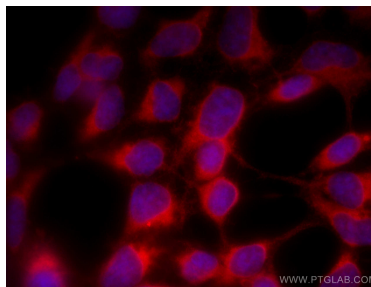
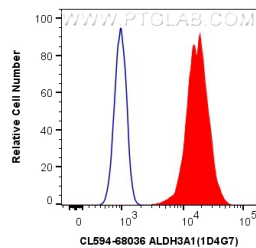
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

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 HEK-293 cells were intracellularly stained with 0.4 ug CoraLite® 594 Anti-Human ALDH3A1 (CL594-68036, Clone:1D4G7) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).

Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using CoraLite® 594 ALDH3A1 antibody (CL594-68036, Clone: 1D4G7) at dilution of 1:200.