CoraLite® Plus 647-conjugated G6PD Monoclonal antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number:CL647-66373   Featured Product

Basic Information

Catalog Number:
CL647-66373

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG21862

GenBank Accession Number:
BC000337

GeneID (NCBI):
2539

UNIPROT ID:
P11413

Full Name:
glucose-6-phosphate dehydrogenase

Calculated MW:
59 kDa

Observed MW:
60 kDa

Purification Method:
Protein A purification

CloneNo.:
2A7B12

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, rat

Background Information

G6PD(Glucose-6-phosphate 1-dehydrogenase) belongs to the glucose-6-phosphate dehydrogenase family. It is a housekeeping enzyme encoded in mammals by an X-linked gene. G6PD has important functions in intermediary metabolism because it catalyzes the first step in the pentose phosphate pathway and provides reductive potential in the form of NADPH.(PMID:7489710). This protein has 3 isoforms produced by alternative splicing.

Storage

Storage:
Store at -20℃. 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.
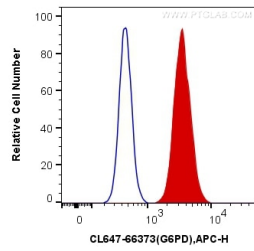Aliquoting is unnecessary for -20°C storage

Selected Validation Data

1X10^6 HeLa cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human G6PD (CL647-66373, Clone:2A7B12) (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).