

CoraLite®555-conjugated GATA1 Monoclonal antibody

Catalog Number: **CL555-60011**

Basic Information

Catalog Number:

CL555-60011

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG1350

GenBank Accession Number:

BC009797

GeneID (NCBI):

2623

UNIPROT ID:

P15976

Full Name:

GATA binding protein 1 (globin transcription factor 1)

Calculated MW:

43 kDa

Observed MW:

43 kDa

Purification Method:

Protein G purification

CloneNo.:

5E2A8

Excitation/Emission maxima wavelengths:

557 nm / 570 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse, rat, pig

Background Information

GATA1 is first identified as a member of the GATA transcription factor family, whose members bind the consensus (WGATAR) binding motif [PMID:22937757]. GATA1, a zinc finger DNA-binding transcription factor, plays a critical role in the normal development of hematopoietic cell lineages. The protein contains an N-terminal region that confers transcriptional activity and a C-terminal domain that mediates binding to DNA and other factors [PMID: 8524811]. GATA-1 is also implicated in regulating the expression of the erythroid and megakaryocytic-specific genes [PMID:22937757].

Storage

Storage:

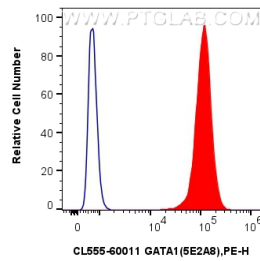
Store at -20°C. Avoid exposure to light.

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®555 Anti-Human GATA1 (CL555-60011, Clone:5E2A8) (red), or 0.4 ug CoraLite®555 Mouse IgG1 Isotype Control (MOPC-21) (CL555-65124, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).