

For Research Use Only

Biotin-conjugated CD43 Monoclonal antibody

Catalog Number: Biotin-66224



Basic Information

Catalog Number:

Biotin-66224

Size:

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

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG23595

GenBank Accession Number:

BC012350

GeneID (NCBI):

6693

ENSEMBL Gene ID:

ENSG00000197471

UNIPROT ID:

P16150

Full Name:

sialophorin

Calculated MW:

400 aa, 43 kDa

Observed MW:

115 kDa

Purification Method:

Protein A purification

CloneNo.:

2A11D6

Recommended Dilutions:

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

-

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Positive Controls:

FC (Intra) : Jurkat cells,

Background Information

CD43, also named leukosialin, sialophorin, galactoglycoprotein, leukocyte sialoglycoprotein, SPN, and is a mucin-like type I transmembrane protein. In humans, it is expressed in haematopoietic cells, including T lymphocytes, monocytes, granulocytes, natural killer cells, platelets, and haematopoietic stem cells, with the exception of mature erythrocytes and B cell subpopulations. The unglycosylated form of CD43 migrates on SDS-PAGE with a molecular weight of 54 kDa (PMID: 2943740), whereas CD43 from different haematopoietic cell lines displays increased molecular weights since it is glycosylated with O-linked chains that differ in core structure and sialylation.

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, pH7.3

Aliquoting is unnecessary for -20°C storage

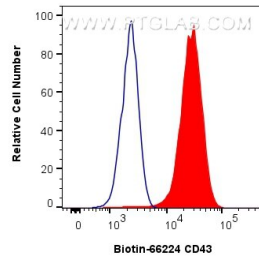
For technical support and original validation data for this product please contact:

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Selected Validation Data



1x10⁶ Jurkat cells were intracellularly stained with 0.25 ug Biotin-conjugated CD43 Monoclonal antibody (Biotin-66224, Clone:2A11D6) and Streptavidin-PE Conjugate (PE-PF00030)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).