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# Elab Fluor® 647 Anti-Human CD56/NCAM Antibody[B-A19]

Catalog Number: E-AB-F1305M

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### **Description**

Reactivity Human; Rhesus; Cynomolgus

Host Mouse

Isotype Mouse IgG1, ĸ

Clone No. B-A19

Isotype Control Elab Fluor<sup>®</sup> 647 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792M]

Conjugation Elab Fluor®647

**Conjugation Information** Elab Fluor® 647 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter).

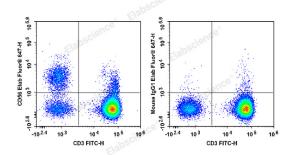
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

#### **Applications** Recommended usage

**FCM** 

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

#### Data



Human peripheral blood lymphocytes are stained with FITC

Anti-Human CD3 Antibody and Elab Fluor® 647 Anti-Human CD56 Antibody (Left). Lymphocytes are stained with FITC

Anti-Human CD3 Antibody and Elab Fluor® 647 Mouse IgG1, κ Isotype Control (Right).

## **Preparation & Storage**

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

## **Antigen Information**

**Alternate Names** N-CAM-1;NCAM;NCAM-1;NCAM1;Neural cell adhesion molecule 1

**Uniprot ID** P51677 Gene ID 4684

# For Research Use Only

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# Elabscience®

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## **Background**

CD56 is a single transmembrane glycoprotein also known as NCAM (neural cell adhesion molecule), Leu-19, or NKH1. It is a member of the lg superfamily. The 140 kD isoform is expressed on NK and NKT cells. CD56 is also expressed in the brain (cerebellum and cortex) and at neuromuscular junctions. Certain large granular lymphocyte (LGL) leukemias, small-cell lung carcinomas, neuronal derived tumors, myelomas, and myeloid leukemias also express CD56. CD56 plays a role in homophilic and heterophilic adhesion via binding to itself or heparan sulfate.

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