

A Reliable Research Partner in Life Science and Medicine

## Elab Fluor® 700 Anti-Human IgD Antibody[IA6-2]

Catalog Number: E-AB-F1171M1

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

#### **Description**

Reactivity Human Host Mouse

**Isotype** Mouse IgG2a, κ

Clone No. IA6-2

Isotype Control Elab Fluor® 700 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802M1]

Conjugation Elab Fluor® 700

**Conjugation Information** Elab Fluor<sup>®</sup> 700 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter).

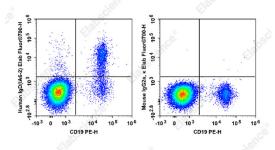
**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### 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  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

#### Data



Staining of normal human peripheral blood cells with Elab

Fluor<sup>®</sup> 700 Anti-Human IgD Antibody[IA6-2] and PE Anti-Human CD19 Antibody[4G7](left) or Elab Fluor<sup>®</sup> 700 Mouse IgG2a, κ Isotype Control (right).Cells in the lymphocytes gate were used for analysis.

#### **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 IGHD;lg delta chain C region;lmmunoglobulin heavy constant delta

 Uniprot ID
 P01880

 Gene ID
 3495

### For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

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# Elabscience®

#### **Elabscience Bionovation Inc.**

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#### **Background**

lgD, a member of the immunoglobulin (lg) family, is expressed in naïve B cells. It has 3 lg-like domains and exists in a transmembrane and a soluble form. In general, IgD is not secreted and usually its expression is lost after the lg isotype switch. After antigen binding, IgD signals through the CD79a/CD79b ( $Ig\alpha/Ig\beta$ ) heterodimer, resulting in the activation of the B cell.

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