# AF/LE Purified Anti-Mouse CD38 Antibody[NIMR5]

**Catalog No.** E-AB-F11930

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

## Description

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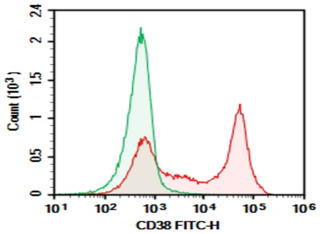
|---|---|
| **Reactivity** | Mouse |
| **Host** | Rat |
| **Isotype** | Rat IgG2a, κ |
| **Clone** | NIMR5 |
| **Conjugation** | Unconjugated |
| **Buffer** | 0.2 μm filtered in PBS, pH 7.2. Azide Free (AF)/Low Endotoxin (LE): Contains no stabilizers or stabilizers. Endotoxin level is < 2 EU/mg as Determined by LAL gel clotting assay. |

| Applications | Recommended Dilution |
|---|---|
| **FCM** | 2 μg/mL(1×10^5-5×10^5 cells) |

## Data




C57/BL6 Mouse splenocytes were stained with 0.2 μg AF/LE Purified Anti-Mouse CD38 Antibody[NIMR5] (Right) and 0.2 μg Rat IgG2a, κ Isotype Control(Left), followed by FITC-conjugated Goat Anti-Rat IgG Secondary Antibody.

## Preparation & Storage

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|---|---|
| **Storage** | This product can be stored at 2-8°C for 12 months. Do not freeze. |

## Background

CD38 is a 42 kD glycoprotein, also known as T10. It is an ADP-ribosyl hydrolase, expressed on B cells, NK cells, a subset of T cells, brain, muscle, and kidney. In mouse, CD38 expression is downregulated on germinal center B cells and plasma cells, whereas this is not the case for humans. By functioning as both a cyclase and a hydrolase, CD38 mediates lymphocyte activation, as well as adhesion and metabolism of cADPR and NAADP. CD31 is the ligand of CD38.