

Manufacturer/Supplier:

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Product name: AF/LE Purified Anti-Mouse CD38 Monoclonal
Antibody

Catalog: DL22118F

Synonyms: ADP-ribosyl cyclase 1, ADPRC 1, CD38, NIM-R5
antigen, 2'-phospho-cyclic-ADP-ribose transferase

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.

Form: Liquid

Isotype: Rat IgG2a, κ

Size: 50 μ g/500 μ g/1mg

Host: Rat

Reactivity: Mouse

Application: Activ, Stim, FCM,
ELISA, IHC, IF

Concentration: 0.5 mg/mL

Conjugation: None (Purified
antibody, Azide Free/Low
endotoxin)

SwissProt: P56528

Buffer: 0.2 μ m filtered in PBS, pH 7.2. Azide Free (AF)/Low
Endotoxin (LE): Contains no stabilizers or

Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is $\leq 2.0 \mu\text{g}$ per 10^6 cells in 100 μL volume or 100 μL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Storage:

Keep as concentrated solution.

Store at 2~8°C. Do not freeze.

This product is guaranteed up to one year from purchase.