

Biotin Anti-Mouse CD18 Antibody[M18/2]

Catalog Number: E-AB-F1113B

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

Description

Reactivity	Mouse
Host	Rat
Isotype	Rat IgG2a, κ
Clone No.	M18/2
Isotype Control	Biotin Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833B]
Conjugation	Biotin
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

Applications

Recommended usage

FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is $\leq 1.0 \mu\text{g}$ per 10^6 cells in $100 \mu\text{L}$ volume or $100 \mu\text{L}$ of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at $2-8^\circ\text{C}$ for 12 months. Do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	CD18;Cell surface adhesion glycoproteins LFA-1/CR3/p150+95 subunit beta; Complement receptor C3 subunit beta;Integrin beta-2;Itgb2
Uniprot ID	P11835
Gene ID	16414
Background	CD18 is a 95 kD protein, also known as integrin $\beta 2$ subunit. It is expressed on all leukocytes. CD18, in association with integrin α chain CD11a, CD11b, and CD11c forms LFA-1, Mac-1, and $\alpha X\beta 2$, respectively, and plays an important role in leukocytes adhesion. The CD18 integrin complexes bind ICAM-1 (CD54), ICAM-2 (CD102), ICAM-3 (CD50), iC3b, and fibrinogen.