

FITC Anti-Human CD11b Antibody[HI11b]

Catalog Number: GFH1317C

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

Description	
Reactivity	Human
Host	Mouse
Isotype	Mouse IgG2b, κ
Clone No.	HI11b
Isotype Control	FITC Mouse IgG2b, κ Isotype Control[MPC-11] [Product E-AB-F09812C]
Conjugation	FITC
Conjugation Information	FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.
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.
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	Integrin alpha-M;Itgam;CD11 antigen-like family member B;CR-3 alpha chain; Leukocyte adhesion receptor MO1;CD11b
Uniprot ID	P11215
Gene ID	3684
Background	CD11b is a 165-170 kD type I transmembrane glycoprotein also known as α MIntegrin, Mac-1, CR3, and C3bIR. CD11b non-covalently associates with integrin β 2(CD18) and is expressed on granulocytes, monocytes/macrophages, dendritic cells, NK cells, and subsets of T and B cells. CD11b/CD18 is critical for the transendothelial migration of monocytes and neutrophils. It is also involved in granulocyte adhesion, phagocytosis, and neutrophil activation. CD11b/CD18 interacts with ICAM-1 (CD54), ICAM-2 (CD102), ICAM-4, CD14, CD23, heparin, iC3b, fibrinogen, and factor X.