

43-1011: Monoclonal Antibody to Human CD11b (activation epitope) NALE™ Purified (Clone: CBRM1/5)

Clonality :	Monoclonal
Clone Name :	CBRM1/5
Application :	FACS
Reactivity :	Human
Gene :	ITGAM
Gene ID :	3684
Uniprot ID :	P11215
Alternative Name :	CD11 antigen-like family member B, CR-3 alpha chain, Cell surface glycoprotein MAC-1 subunit alpha, Leukocyte adhesion receptor MO, Neutrophil adherence receptor, CR3A
Isotype :	Mouse IgG1, kappa

Description

The CBRM1/5 monoclonal antibody binds with the 165 kDa human adhesion glycoprotein CD11b, which forms, together with the 95 kDa CD18 (integrin Beta2) a complex known as Mac-1. CD11b is expressed on the surface of activated lymphocytes, a subset of natural killer cells, granulocytes, and monocytes. It functions as a receptor in cell-cell and cell-matrix interactions and as a receptor for iC3b, ICAM-1, ICAM-2, and ICAM-3 intercellular adhesion molecules. The CBRM1/5 specifically reacts with the activation-specific epitope of the Mac-1 molecule, in the I domain on the alpha chain near the ligand binding site. The antibody has been reported to inhibit the cellular adhesion mediated by Mac-1.

Product Info

Amount :	100 µg
Content :	1 mg/ml in Phosphate-buffered aqueous solution, pH7.2.
Storage condition :	The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

Application Note

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.