

CD18 Antibody [clone 68-5A5] (V2645)

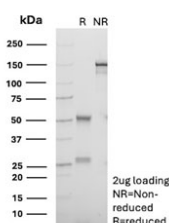
Catalog No.	Formulation	Size
V2645-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2645-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2645SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug



Citations (6)

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	68-5A5
Purity	Protein G affinity chromatography
UniProt	P05107
Localization	Cell surface
Applications	Functional Studies (order BSA/sodium Azide-free Format) : Flow Cytometry : 1-2ug/10 ⁶ cells Immunofluorescence : 1-2ug/ml
Limitations	This CD18 antibody is available for research use only.



SDS-PAGE Analysis of Purified, BSA-Free CD18 Antibody (clone 68-5A5). Confirmation of Integrity and Purity of the Antibody.

Description

It recognizes a transmembrane glycoprotein of 95kDa, identified as CD18 or integrin -2 (Workshop III). It complexes non-covalently with either L, M, or X integrin (CD11a, b, or c) to form the heterodimers, LFA-1, Mac-1, and p150,95, respectively. LFA-1 is the receptor for three members of the Ig supergene family of proteins, ICAM-1 (CD54), ICAM-2 (CD102), and Mac-1 and p150,95 bind to ICAM-1, fibrinogen, and iC3b. ICAM-3 (CD50). CD18/CD11 heterodimeric molecules are involved with cell/cell and cell/extracellular adhesion in immune and inflammatory responses. This mAb blocks these cellular interactions.

Application Notes

Optimal dilution of the CD18 antibody should be determined by the researcher.

Immunogen

Stimulated human leukocytes were used as the immunogen for the CD18 antibody.

Storage

Store the CD18 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).