Product datasheet

anti-CD18 mouse monoclonal, 68-5A5, purified

Short overview

Cat. No.	691564
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2a kappa
Clone	68-5A5
Immunogen	Stimulated human leucocytes
Formulation	PBS with 0.02% sodium azide
UniprotID	P05107 (Human)
Synomym	Integrin beta-2, Cell surface adhesion glycoproteins LFA-1/CR3/p150,95 subunit beta, Complement receptor C3 subunit beta, CD antigen CD18, ITGB2, CD18, MFI7
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	FACS, ICC/IF, IHC, WB
Reactivity	Human

Applications

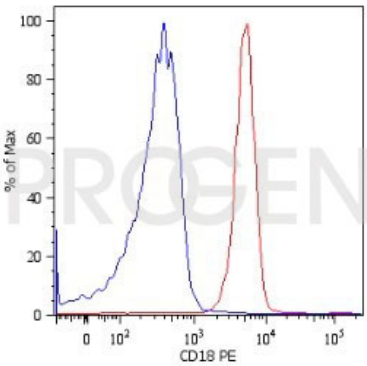
Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Western Blot (WB)	1:50-1:100 (1-2 µg/ml)

Background

It recognizes a transmembrane glycoprotein of 95 kDa, 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, ICCAM-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. 68-5A5 was clustered at the IIIrd International Workshop on human leucocyte differentiation antigens.

Positive control: human PBL and tonsil.

Product images



FACS with human granulocytes