

Product datasheet

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ARG20847 anti-CD18 / LFA1 beta antibody [C71/16] (Biotin)

Package: 100 μg Store at: 4°C

Summary

Product Description Biotin-conjugated Rat Monoclonal antibody [C71/16] recognizes CD18 / LFA1 beta

Tested Reactivity Ms

Tested Application ELISA, FACS, ICC/IF, IHC-Fr, IHC-P, WB

Specificity Mouse CD18. The clone C71/16 has not been reported to inhibit cell adhesion.

Host Rat

Clonality Monoclonal

Clone C71/16

Isotype IgG2a, kappa

Target Name CD18 / LFA1 beta

Species Mouse

Immunogen Cell membrane glycoproteins derived from mouse BW5147 T cell lymphoma cells

Conjugation Biotin

Alternate Names MF17; LAD; CD antigen CD18; MFI7; MAC-1; Cell surface adhesion glycoproteins LFA-1/CR3/p150,95

subunit beta; LCAMB; Integrin beta-2; Complement receptor C3 subunit beta; LFA-1; CD18

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	FACS	< 1 μg/10^6 cells
	ICC/IF	Assay-dependent
	IHC-Fr	Assay-dependent
	IHC-P	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form Liquid

Buffer PBS and 0.1% Sodium azide.

Preservative 0.1% Sodium azide

Concentration 0.5 mg/ml

Storage instruction Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid

repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be

gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links GeneID: 16414 Mouse

Swiss-port # P11835 Mouse

Gene Symbol ITGB2

Gene Full Name integrin beta 2

Background This gene encodes an integrin beta chain, which combines with multiple different alpha chains to form

different integrin heterodimers. Integrins are integral cell-surface proteins that participate in cell adhesion as well as cell-surface mediated signalling. The encoded protein plays an important role in immune response and defects in this gene cause leukocyte adhesion deficiency. Alternative splicing

results in multiple transcript variants. [provided by RefSeq, Dec 2014]

Function Integrin alpha-L/beta-2 is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. Integrins alpha-M/beta-2

and alpha-X/beta-2 are receptors for the iC3b fragment of the third complement component and for fibrinogen. Integrin alpha-X/beta-2 recognizes the sequence G-P-R in fibrinogen alpha-chain. Integrin alpha-M/beta-2 recognizes P1 and P2 peptides of fibrinogen gamma chain. Integrin alpha-M/beta-2 is also a receptor for factor X. Integrin alpha-D/beta-2 is a receptor for ICAM3 and VCAM1. Triggers neutrophil transmigration during lung injury through PTK2B/PYK2-mediated activation. [UniProt]

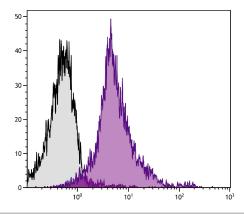
Calculated Mw 85 kDa

PTM Both Ser-745 and Ser-756 become phosphorylated when T-cells are exposed to phorbol esters

(PubMed:11700305). Phosphorylation on Thr-758 (but not on Ser-756) allows interaction with 14-3-3

proteins (PubMed:11700305, PubMed:16301335).

Images



ARG20847 anti-CD18 / LFA1 beta antibody [C71/16] (Biotin) FACS image

Flow Cytometry: BALB/c Mouse splenocytes stained with ARG20847 anti-CD18 / LFA1 beta antibody [C71/16] (Biotin).