



Anti-ITGB2 monoclonal antibody, clone YFC118.3 [R-PE] (CABT-45691RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Rat anti Human CD18 antibody, clone YFC118.3 was clustered at the Fourth International Workshop on Leucocyte Differentiation Antigen (code number N221) as recognising the CD18 antigen. The CD18 antigen is an integral membrane glycoprotein of 95kD molecular weight - known as the beta chain, of the LFA-1 complex. The CD18 antigen is non-covalently linked to CD11a, b, c molecules. The main cellular reactivity of Rat anti Human CD18 antibody, clone YFC118.3 is a strong reactivity with Leucocytes (platelets negative). The CD18 molecule is the receptor for ICAM-1 and is thus important for cell adhesion. Flow Cytometry Use 10ul of the suggested working dilution to label 100ul whole blood or 10⁶ cells in 100ul.

Specificity	ITGB2
Immunogen	Human neutrophils
Isotype	IgG2b
Source/Host	Rat
Species Reactivity	Human, Dog, Guinea pig
Clone	YFC118.3
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Size	100 tests
Preservative	0.09% Sodium Azide

Storage	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
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GENE INFORMATION

Gene Name	ITGB2 integrin, beta 2 (complement component 3 receptor 3 and 4 subunit) [Homo sapiens (human)]
Official Symbol	ITGB2
Synonyms	ITGB2; integrin, beta 2 (complement component 3 receptor 3 and 4 subunit); LAD; CD18; MF17; MFI7; LCAMB; LFA-1; MAC-1; integrin beta-2; integrin beta chain, beta 2; complement receptor C3 beta-subunit; leukocyte cell adhesion molecule CD18; leukocyte-asso
Entrez Gene ID	3689
Protein Refseq	NP_000202
UniProt ID	P05107
Chromosome Location	21q22.3
Pathway	Adaptive Immune System; Amoebiasis; CXCR3-mediated signaling events; Cell adhesion molecules (CAMs); Cell surface interactions at the vascular wall; Extracellular matrix organization; Focal Adhesion; HIF-1-alpha transcription factor network;
Function	ICAM-3 receptor activity; cell adhesion molecule binding; glycoprotein binding; metal ion binding; protein binding; protein complex binding; protein heterodimerization activity; protein kinase binding;