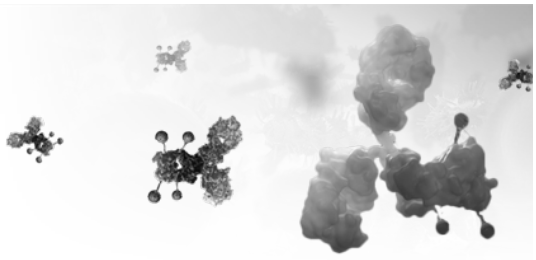

# Anti-ITGB2 monoclonal antibody, clone YFC118.3 [FITC] (CABT-45685RH)

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 106 cells in 100ul. |
| **Specificity** | ITGB2 |
| **Immunogen** | Human neutrophils |
| **Isotype** | IgG2b |
| **Source/Host** | Rat |
| **Species Reactivity** | Human, Dog, Guinea pig |
| **Clone** | YFC118.3 |
| **Conjugate** | FITC |
| **Applications** | FC |
| **Format** | Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid |
| **Size** | 100 tests |
| **Preservative** | See individual product datasheet |

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

| | |
|---|---|
| **Storage** | in frost free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. |

# 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; |

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221