

Product datasheet for TA386509

CD18 (ITGB2) Rabbit Monoclonal Antibody [Clone ID: 60.3]

Product data:

Product Type: Primary Antibodies

Clone Name: 60.3

Applications: BI, ELISA, WB

Reactivity: Human Host: Rabbit

Isotype: IgG, kappa Clonality: Monoclonal

The original antibody was generated by immunizing BALB/c mice with alloantigen activated T Immunogen:

Specificity: This antibody binds the CD18 component of the β-2 integrin family which is expressed by

leukocytes and neutrophils.

This antibody is capable of inhibiting several cell mediated immune functions. It inhibits proliferative responses of T cells stimulated by soluble antigens, mitogens, or allogeneic cells in the initiation of a culture, but not when added after 48 hours. It successfully blocks the lytic

activity of cytotoxic T cells and natural killer cells and the migration of neutrophilic

granulocytes (PMID: 6644024). This antibody inhibits phagocytosis by reaction with the C3bi receptor, and stimulates phagocytosis by reverse opsonization (PMID: 3880787). This

antibody inhibits aggregation of neutrophils in response phorbol myristate acetate, zymosanactivated plasma, and N-formyl-methionylleucylphenylalanine in a dose dependent manner (PMID: 3995185), 60.3 also inhibits polymorphonuclear leukocyte accumulation and plasma leakage in vivo (PMID: 3539230). 60.3 successfully inhibits neutrophil function in vivo and has the potential to be used as an anti-inflammatory agent (PMID: 3693901). This antibody has application in blocking neutrophil mediated organ damage which occurs after myocardial infarct or hemorrhagic shock, Humanized version of this antibody binds CD18 with a 4-fold

less affinity than its parent murine version (PMID: 7937713).

PBS with 0.02% Proclin 300. Formulation:

Concentration: lot specific Conjugation: Unconjugated



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Storage: Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid

freeze and thaw cycles.

Stability: 3 years from dispatch.

Gene Name: integrin subunit beta 2

Database Link: Entrez Gene 3689 Human

P05107

Synonyms: CD18; LAD; LCAMB; LFA-1; MAC-1; MF17; MF17; OTTHUMP00000115279;

OTTHUMP00000115281; OTTHUMP00000115282

Note: This chimeric rabbit antibody was made using the variable domain sequences of the original

Mouse IgG2a format, for improved compatibility with existing reagents, assays and

techniques.