

Product datasheet for **TA386508**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	60.3
Applications:	BI, ELISA, WB
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a, kappa
Clonality:	Monoclonal
Immunogen:	The original antibody was generated by immunizing BALB/c mice with alloantigen activated T cells.
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, zymosan-activated 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).

Formulation:	PBS with 0.02% Proclin 300.
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; MFI7; OTTHUMP00000115279; OTTHUMP00000115281; OTTHUMP00000115282