

## Product Datasheet

### CD18 antibody (orb759015)

**Description**

Mouse monoclonal antibody to CD18

**Species/Host**

Mouse

**Reactivity**

Human

**Conjugation**

Unconjugated

**Tested**

Blocking, ELISA, WB

**Applications**
**Immunogen**

The original antibody was generated by immunizing BALB/c mice with alloantigen activated T cells.

**Target**

CD18

**Preservatives**

PBS with 0.02% Proclin 300.

**Concentration**

1 mg/ml

**Storage**

Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Note**

For research use only

**Application notes**

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).