Datasheet: MCA2086FT

**Description:** MOUSE ANTI HUMAN CD18 (ACTIVATION EPITOPE):FITC

**Specificity:** CD18 (ACTIVATION EPITOPE)

**Other names:** INTEGRIN BETA 2 CHAIN

**Format:** FITC

**Product Type:** Monoclonal Antibody

**Clone:** MEM-148

**Isotype:** IgG1

**Quantity:** 25 µg

### Product Details

#### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.abdserotec.com/protocols](http://www.abdserotec.com/protocols).

<table>
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<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<td>Flow Cytometry</td>
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Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

#### Target Species

Human

#### Product Form

Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

#### Preparation

Purified IgG prepared by affinity chromatography on Protein G

#### Buffer Solution

Phosphate buffered saline

#### Preservative Stabilisers

0.09% Sodium Azide

1% Bovine Serum Albumin

#### Approx. Protein Concentrations

IgG concentration 0.1 mg/ml

#### External Database Links

- **UniProt:**
  - P05107

- **Entrez Gene:**
  - 3689
  - ITGB2

#### Synonyms

CD18, MFI7
### Specificity

Mouse anti Human CD18 (Activation Epitope) antibody, clone MEM-148 recognizes an epitope on the human CD18 molecule that is hidden in the CD11/CD18 heterodimer on resting cells. Clone MEM-148 binds very weakly to resting peripheral blood leukocytes and strongly to all leukocytes upon cellular activation. The epitope recognized by Mouse anti Human CD18 (Activation Epitope) antibody, clone MEM-148 is also exposed during dissociation of the CD11/CD18 by low pH.

### Flow Cytometry

Use 10ul of the suggested working dilution to label $10^6$ cells in 100ul.

### References


### Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

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.

### Shelf Life

18 months from date of despatch.

### Health And Safety Information


### Regulatory

For research purposes only