

## Rat CD11a Monoclonal Antibody | anti-CD11a antibody

RAT ANTI MOUSE CD11a

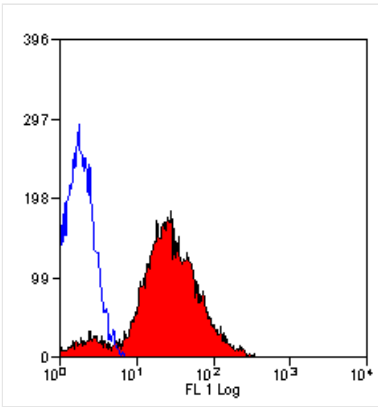
|                              |                    |                                                                              |
|------------------------------|--------------------|------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA49579</b> | HOST<br><b>Rat</b> | APPLICATIONS<br><b>Immunoprecipitation, Flow Cytometry, Functional Assay</b> |
|------------------------------|--------------------|------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

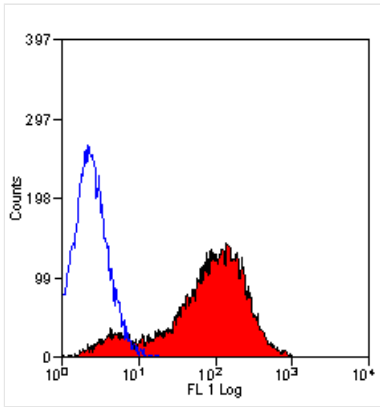
CD11a; Monoclonal Antibody; RAT ANTI MOUSE CD11a; anti-CD11a antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rat                                                                                                                                                                                                                                                                                                                                                            |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                                                                     |
| Isotype                                         | IgG2a                                                                                                                                                                                                                                                                                                                                                          |
| Clone Number                                    | I21/7                                                                                                                                                                                                                                                                                                                                                          |
| Form/Format                                     | Purified<br>Purified IgG - liquid                                                                                                                                                                                                                                                                                                                              |
| Concentration                                   | IgG concentration 1.0 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                    |
| Sequence Length                                 | 1163                                                                                                                                                                                                                                                                                                                                                           |
| Applicable Applications for anti-CD11a antibody | IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                            |
| Perservative Stabilisers                        | 0.09% Sodium Azide<br>Preparation                                                                                                                                                                                                                                                                                                                              |
| Immunogen                                       | Whole BW5147 cells.<br>Buffer Solution                                                                                                                                                                                                                                                                                                                         |
| Target Species                                  | Mouse                                                                                                                                                                                                                                                                                                                                                          |
| Preparation and Storage                         | Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.<br>Shelf Life: 18 months from date of despatch. |



Application Data  
Staining of mouse spleen cells with Rat anti Mouse CD11a:FITC



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Staining of mouse spleen cells with Rat anti Mouse CD11a

ADDITIONAL INFORMATION

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| Related Product Information for anti-CD11a antibody | Rat anti Mouse CD11a antibody, clone I21/7 recognizes murine CD11a, a ~170-180kDa type I membrane glycoprotein, also known as the integrin alpha L subunit. CD11a is a member of the intergrin family of adhesion molecules. CD11a is expressed on all leucocytes and associates with CD18 to form a heterodimer at the cell surface. The CD11a/CD18 heterodimer binds to intercellular adhesion molecules (ICAM); ICAM1, ICAM-2 and ICAM-3 and is involved in cell-cell adhesion processes. Rat anti Mouse CD11a antibody, clone I21/7 is reported to block the cytolytic activity of cytotoxic T cell lines (Trowbridge and Omary 1981). |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 341940846                                                                                                                                                                                                                                                          |
| NCBI GeneID                      | 16408                                                                                                                                                                                                                                                              |
| UniProt Accession #              | P24063                                                                                                                                                                                                                                                             |
| Molecular Weight                 | 128,328 Da                                                                                                                                                                                                                                                         |
| NCBI Official Full Name          | Integrin alpha-L                                                                                                                                                                                                                                                   |
| NCBI Official Synonym Full Names | integrin alpha L                                                                                                                                                                                                                                                   |
| NCBI Official Symbol             | Itgal                                                                                                                                                                                                                                                              |
| NCBI Official Synonym Symbols    | Cd11a; LFA-1; Ly-15; Ly-21; (p180); LFA-1A                                                                                                                                                                                                                         |
| NCBI Protein Information         | integrin alpha-L; CD11 antigen-like family member A; alpha L integrin; leukocyte adhesion glycoprotein LFA-1 alpha chain; leukocyte function-associated molecule 1 alpha chain; lymphocyte antigen 15; lymphocyte function associated antigen 1, alpha polypeptide |
| UniProt Protein Name             | Integrin alpha-L                                                                                                                                                                                                                                                   |
| UniProt Gene Name                | Itgal                                                                                                                                                                                                                                                              |
| UniProt Synonym Gene Names       | Lfa-1; Ly-15; LFA-1A; Ly-15                                                                                                                                                                                                                                        |
| UniProt Entry Name               | ITAL_MOUSE                                                                                                                                                                                                                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.