

**Biotin Anti-Human CD11a Antibody[TS1/22.1.1.13]**

|                    |                                            |                     |       |
|--------------------|--------------------------------------------|---------------------|-------|
| <b>Catalog No.</b> | E-AB-F1055B                                | <b>Reactivity</b>   | Human |
| <b>Storage</b>     | Store at 2~8°C, Avoid freeze / thaw cycles | <b>Applications</b> | FCM   |

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Antigen Information**

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Alternate Names</b> | Integrin alpha-L, Itgal, CD11 antigen-like family member A, LFA-1A, Lymphocyte antigen 15, Ly-15, CD11a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Uniprot ID</b>      | P20701                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Background</b>      | CD11a is a 170-180 kD type I transmembrane glycoprotein also known as LFA-1 $\alpha$ chain and integrin $\alpha$ L subunit. CD11a non-covalently associates with integrin $\beta$ 2 (CD18) to form LFA-1. It is expressed on all leukocytes, including B and T lymphocytes, monocytes, macrophages, neutrophils, basophils and eosinophils. It is absent on non-hematopoietic tissues and platelets. CD11a plays a central role in leukocyte cell-cell interactions and is important in lymphocyte costimulation. CD11a/CD18 binds to ICAM-1 (CD54), ICAM-2 (CD102), and ICAM-3 (CD50). |

**Product Details**

|                                |                                                                                                                              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Form</b>                    | Liquid                                                                                                                       |
| <b>Concentration</b>           | 0.5 mg/mL                                                                                                                    |
| <b>Size</b>                    | 25 $\mu$ g/100 $\mu$ g                                                                                                       |
| <b>Clone No.</b>               | TS1/22.1.1.13                                                                                                                |
| <b>Host</b>                    | Mouse                                                                                                                        |
| <b>Isotype</b>                 | Mouse IgG1, $\kappa$                                                                                                         |
| <b>Reactivity</b>              | Human                                                                                                                        |
| <b>Application</b>             | FCM                                                                                                                          |
| <b>Isotype Control</b>         | <a href="#">Biotin Mouse IgG1, <math>\kappa</math> Isotype Control[MOPC-21] [Product E-AB-F09793B]</a>                       |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.                                  |
| <b>Shipping</b>                | Biological ice pack at 4 °C                                                                                                  |
| <b>Stability &amp; Storage</b> | Keep as concentrated solution.<br>Store at 2~8°C .Do not freeze.<br>This product is guaranteed up to one year from purchase. |

**For Research Use Only**

## Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 1.0 \mu\text{g}$  per  $10^6$  cells in 100  $\mu\text{L}$  volume or 100  $\mu\text{L}$  of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

## Related Information

1. Sample Preparation for Flow Cytometry <https://www.elabscience.com/List-detail-5594.html>
2. Staining Cell Surface Targets for Flow Cytometry <https://www.elabscience.com/List-detail-5568.html>
3. Flow Cytometry Troubleshooting Tips <https://www.elabscience.com/List-detail-5593.html>
4. How to select the appropriate detection channel through the spectrogram? <https://www.elabscience.com/List-detail-459742.html>