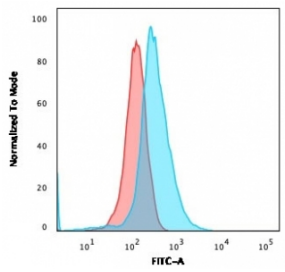
# CD1A Antibody for FACS Clone 66IIC7 / Dendritic Cell Marker Antibody [clone 66IIC7] (V2948)

| Catalog No. | Formulation | Size |
|---|---|---|
| V2948-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V2948-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V2948SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

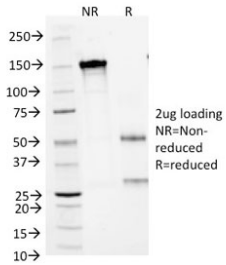
Citations (5)

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG2a, kappa |
| **Clone Name** | 66IIC7 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | P06126 |
| **Localization** | Cell surface, cytoplasmic |
| **Applications** | Flow cytometry: 1-2ug/million cells<br>Immunofluorescence: 1-2ug/ml |
| **Limitations** | This CD1A antibody is available for research use only. |




CD1A Antibody for FACS Clone 66IIC7. Flow cytometry analysis of CD1A / CD1a expression in human Molt-4 cells using CD1A Antibody for FACS Clone 66IIC7. The histogram demonstrates a clear rightward fluorescence shift of CD1a-positive cells (blue) compared to the isotype control (red), indicating specific cell surface detection. The separation between negative and positive populations supports precise gating of CD1a-expressing cells and reliable identification of dendritic lineage subsets in flow cytometry assays.




SDS-PAGE Analysis of Purified, BSA-Free CD1A Antibody (clone 66IIC7). Confirmation of Integrity and Purity of the Antibody.

## Description

CD1 molecule alpha 1 (CD1A) is a cell surface glycoprotein encoded by the CD1A gene that functions in lipid antigen presentation to T cells and is widely used as a membrane marker in immunology research. CD1A Antibody for FACS Clone 66IIC7 is specifically positioned for flow cytometry applications requiring precise identification and gating of CD1a-positive dendritic cell populations within heterogeneous immune samples. CD1A antibody, also known as CD1a antibody or T-cell surface glycoprotein CD1a antibody, is particularly well suited for suspension-based assays due to its strong membrane localization and accessibility.

In flow cytometry, CD1a serves as a defining marker for dendritic lineage cells, including Langerhans cells and immature antigen-presenting populations. A mouse monoclonal clone 66IIC7 antibody enables clear separation of CD1a-positive and negative populations, supporting accurate gating strategies in complex samples such as peripheral blood, tissue digests, or cultured immune cells. This CD1A Antibody for FACS Clone 66IIC7 is especially useful when establishing population boundaries and minimizing overlap between closely related immune subsets.

Dendritic cells often represent a relatively small fraction of total immune cells, making precise gating essential for reliable analysis. A CD1a Flow Cytometry Antibody is frequently incorporated into multicolor panels where it functions as a primary lineage marker, helping define antigen-presenting cell compartments in combination with other surface markers. Clone 66IIC7, which has been described in peer-reviewed studies, provides a defined monoclonal option for researchers seeking consistent detection of CD1a-positive populations in FACS assays.

CD1a expression is frequently used to define dendritic lineage populations, including Langerhans cells and immature antigen-presenting cells, particularly in suspension-based immune analyses. In flow cytometry, the ability to clearly separate CD1a-positive and CD1a-negative events is essential for accurate population identification. CD1A Antibody for FACS Clone 66IIC7 (clone 66IIC7) supports consistent discrimination of these populations, enabling reliable gating strategies in complex samples such as peripheral blood, tissue dissociates, and cultured immune cells.

A full range of CD1A antibody reagents for immunohistochemistry, western blot, and flow cytometry is available on our CD1A Antibody collection page.

## Application Notes

Optimal dilution of the CD1A Antibody for FACS Clone 66IIC7 / Dendritic Cell Marker Antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.

## Immunogen

Human thymocytes were used as the immunogen for the CD1A Antibody for FACS Clone 66IIC7 / Dendritic Cell Marker Antibody.

## Storage

Store the CD1A antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

## Alternate Names

CD1a flow cytometry antibody, dendritic cell marker CD1A antibody, Langerhans cell marker antibody, T-cell surface glycoprotein CD1a antibody, clone 66IIC7 antibody


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