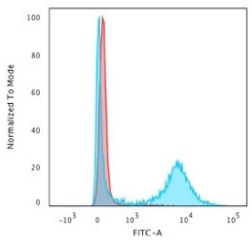
CD8A Antibody for FACS Clone RIV11 / PBM Antibody [clone RIV11] (V2385)

Catalog No.	Formulation	Size
V2385-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2385-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2385SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

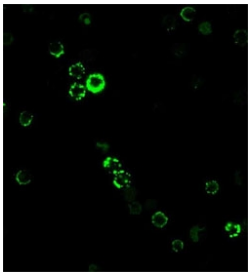
Citations (4)

Bulk quote request

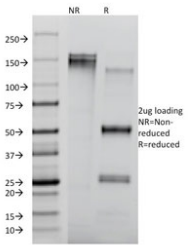
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	RIV11
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
UniProt	P01732
Localization	Cell surface
Applications	Flow Cytometry : 0.5-1ug/10^6 cells Immunofluorescence : 0.5-1ug/ml
Limitations	This CD8A Antibody for FACS Clone RIV11 / PBM Antibody for research use only.



CD8A Antibody for FACS - Human PBM cells Clone RIV11. Flow cytometry analysis of CD8 alpha (CD8A) in human PBM cells shows a distinct right-shifted population (blue) relative to isotype control (red), consistent with cell surface expression on cytotoxic T lymphocytes and enabling accurate identification and gating of CD8-positive T cell populations within peripheral blood samples (clone RIV11).



Immunofluorescent staining of human PBM cells with CD8a antibody clone RIV11.



SDS-PAGE analysis of purified, BSA-free CD8 antibody clone RIV11 as confirmation of integrity and purity.

Description

CD8 alpha (CD8A) is a transmembrane glycoprotein expressed on cytotoxic T lymphocytes and functions as a co-receptor for T cell receptor signaling through interaction with MHC class I molecules. CD8A Antibody for FACS is widely used to detect CD8 alpha on human peripheral blood mononuclear cells (PBMs), enabling flow cytometry-based identification and quantification of cytotoxic T cell populations. CD8A antibody, also referred to as CD8 alpha antibody or CD8 antigen antibody, is a central marker for immune profiling and T cell subset analysis in human samples.

CD8A is expressed on the cell surface of cytotoxic T lymphocytes, allowing direct antibody binding in flow cytometry applications without the need for permeabilization. In FACS analysis of human PBM cells, CD8A staining produces a well-defined positive population that enables accurate gating and separation of CD8-positive T cells from other immune subsets. This supports detailed analysis of immune composition and facilitates reproducible identification of cytotoxic T lymphocytes across samples.

This mouse monoclonal antibody, clone RIV11, has been described in peer-reviewed publications, supporting its use in established research workflows. Validation in human PBMC provides biologically relevant detection of endogenous CD8A expression, ensuring reliable performance in primary immune cell populations. The availability of published data associated with this clone provides additional confidence for researchers seeking well-characterized reagents for flow cytometry applications.

CD8A Antibody for FACS is particularly valuable in studies of immune function, where quantification of cytotoxic T cells is essential for evaluating immune responses, disease progression, and therapeutic outcomes. Flow cytometry detection of CD8A is widely used in immunology, oncology, and clinical research settings, including studies of infection, tumor immunity, and immunotherapy response.

CD8A flow cytometry antibody staining is commonly combined with markers such as CD3, CD4, and activation or checkpoint markers to define immune cell subsets and functional states. The ability to detect CD8A on viable cells enables downstream applications including cell sorting and functional assays, supporting isolation and characterization of cytotoxic T lymphocytes. The combination of published validation, strong PBM cell performance, and compatibility with multi-parameter flow cytometry makes clone RIV11 a reliable choice for human immune profiling studies.

This antibody is part of a broader selection of immune cell marker antibodies designed to support studies of T cell biology, immune infiltration, and tumor immunology, including application-specific CD8A antibody reagents for IHC, FACS, WB, and IF.

Application Notes

The stated application concentrations are suggested starting amounts. Variations in protocols, secondaries and substrates may require the CD8A Antibody for FACS Clone RIV11 / PBM Antibody to be titered up or down for optimal performance.

Immunogen

Recombinant human protein was used as immunogen for this CD8a antibody.

Storage

CD8a antibody with azide can be stored at 2-8oC. The azide-free format should be aliquoted and stored at -20oC or colder.

Alternate Names

CD8A FACS antibody RIV11, CD8 alpha human flow antibody, CD8A PBMC antibody, CD8A monoclonal antibody, CD8 cytotoxic T cell marker antibody

References (1)