Datasheet for ABIN5711930

anti-TNFRSF4 antibody (FITC)

3 Images

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Overview

Quantity:	100 tests
Target:	TNFRSF4
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TNFRSF4 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	HTLV 1-transformed HUT-102 cells
Clone:	Ber-ACT35
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody Ber-ACT35 (also known as ACT35) recognizes an extracellular epitope of CD134 (TNFRSF4, OX40), an approximately 50 kDa type I transmembrane glycoprotein expressed on activated T cells.
Cross-Reactivity (Details):	Human, Non-Human Primates
Purification:	Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	TNFRSF4
Alternative Name:	CD134 (TNFRSF4 Products)
Background:	TNF receptor superfamily member 4,CD134 (TNFRSF4, also known as OX40) is a type I transmembrane glycoprotein of TNF/NGF receptor family expressed on activated T cells, fibroblasts, and hematopoietic precursors. Binding to its ligand (OX40L, TNFSF4) on antigen presenting cells gives to the T cell costimulatory signal, and this interaction results also in B cell proliferation and influences T cell memory pool. CD134 is upregulated at sites of inflammation, especially in case of multiple sclerosis and psoriatic lesions.,TNFRSF4, OX40, ACT35, IMD16, TXGP1L
Gene ID:	7293
UniProt:	P43489
Pathways:	Production of Molecular Mediator of Immune Response, Cancer Immune Checkpoints

Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µL reagent / 100 µL of whole blood or 10^6 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only

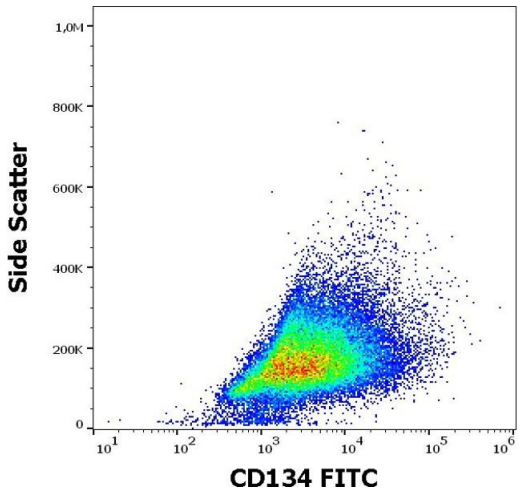
Handling

Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.
Storage:	4 °C

Handling

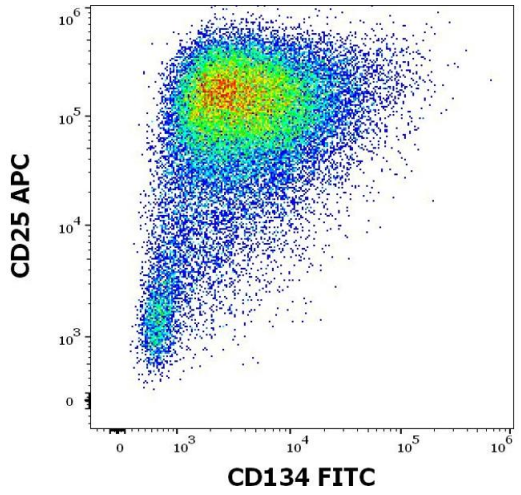
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Images



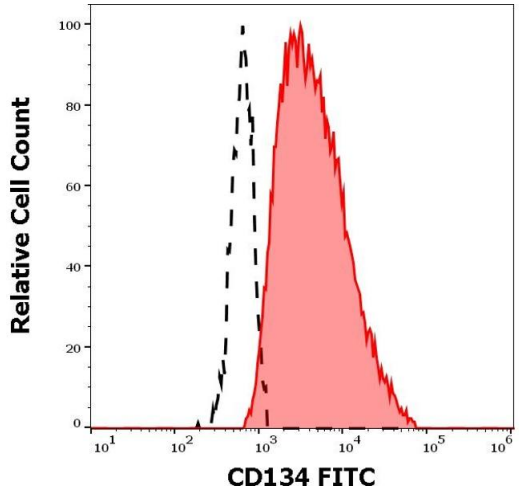
Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human PHA stimulated peripheral blood mononuclear cells stained using anti-human CD134 (Ber-ACT35) FITC antibody (4 µL reagent per milion cells in 100 µL of cell suspension).



Flow Cytometry

Image 2. Flow cytometry multicolor surface staining of human PHA stimulated peripheral blood mononuclear cells stained using anti-human CD134 (Ber-ACT35) FITC antibody (4 µL reagent per milion cells in 100 µL of cell suspension) and anti-human CD25 (MEM-181) APC antibody (10 µL reagent / 100 µL of peripheral whole blood).



Flow Cytometry

Image 3. Separation of human CD134 positive CD25 positive cells (red-filled) from CD134 negative CD25 negative cells (black-dashed) in flow cytometry analysis (surface staining) of human PHA stimulated peripheral blood mononuclear cells stained using anti-human CD134 (Ber-ACT35) FITC antibody (4 µL reagent per milion cells in 100 µL of cell suspension).