

ARG42320 anti-CD134 / OX40 antibody [Ber-ACT35] (APC)

Package: 50 tests

Store at: 4°C

Summary

Product Description	APC-conjugated Mouse Monoclonal antibody [Ber-ACT35] recognizes CD134 / OX40
Tested Reactivity	Hu, NHuPrm
Tested Application	FACS
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.
Host	Mouse
Clonality	Monoclonal
Clone	Ber-ACT35
Isotype	IgG1, kappa
Target Name	CD134 / OX40
Species	Human
Immunogen	HTLV 1-transformed HUT-102 cells.
Conjugation	APC
Alternate Names	CD134; TAX transcriptionally-activated glycoprotein 1 receptor; TXGP1L; OX40L receptor; Tumor necrosis factor receptor superfamily member 4; OX40; CD antigen CD134; IMD16; ACT35 antigen; ACT35

Application Instructions

Application table	Application	Dilution
	FACS	10 µl / 100 µl of whole blood or 10 ⁶ cells

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

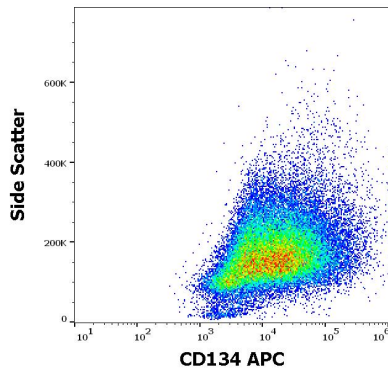
Properties

Form	Liquid
Purification	Purified
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

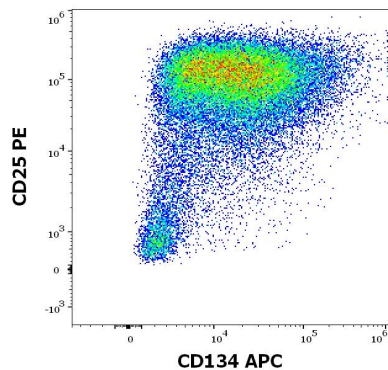
Gene Symbol	TNFRSF4
Gene Full Name	tumor necrosis factor receptor superfamily, member 4
Background	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor has been shown to activate NF-kappaB through its interaction with adaptor proteins TRAF2 and TRAF5. Knockout studies in mice suggested that this receptor promotes the expression of apoptosis inhibitors BCL2 and BCL2L1/BCL2-XL, and thus suppresses apoptosis. The knockout studies also suggested the roles of this receptor in CD4+ T cell response, as well as in T cell-dependent B cell proliferation and differentiation. [provided by RefSeq, Jul 2008]
Function	Receptor for TNFSF4/OX40L/GP34. Is a costimulatory molecule implicated in long-term T-cell immunity. (Microbial infection) Acts as a receptor for human herpesvirus 6B/HHV-6B. [UniProt]
Calculated Mw	29 kDa
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

Images



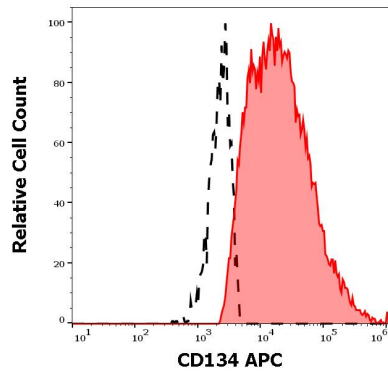
ARG42320 anti-CD134 / OX40 antibody [Ber-ACT35] (APC) FACS image

Flow Cytometry: Human PHA stimulated peripheral blood mononuclear cells stained with ARG42320 anti-CD134 / OX40 antibody [Ber-ACT35] (APC) at 10 μ l / 10⁶ cells in 100 μ l of cell suspension.



ARG42320 anti-CD134 / OX40 antibody [Ber-ACT35] (APC) FACS image

Flow Cytometry: Human PHA stimulated peripheral blood mononuclear cells stained with ARG42320 anti-CD134 / OX40 antibody [Ber-ACT35] (APC) at 10 μ l / 10⁶ cells in 100 μ l of cell suspension and [ARG53801](#) anti-CD25 antibody [MEM-181] (PE) at 20 μ l / 100 μ l of peripheral whole blood.



ARG42320 anti-CD134 / OX40 antibody [Ber-ACT35] (APC) FACS image

Flow Cytometry: Separation of Human CD134 positive CD25 positive cells (red-filled) from CD134 negative CD25 negative cells (black-dashed). Human PHA stimulated peripheral blood mononuclear cells stained with ARG42320 anti-CD134 / OX40 antibody [Ber-ACT35] (APC) at 10 μ l / 10⁶ cells in 100 μ l of cell suspension.