

Product datasheet

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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 μ l / 100 μ l 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 BCL2lL1/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]

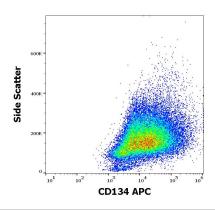
Function Receptor for TNFSF4/OX40L/GP34. Is a costimulatory molecule implicated in long-term T-cell immunity.

(Microbial infection) Acts as a receptor for human herpesvirus 6B/HHV-6B. [UniProt]

Calculated Mw 29 kDa

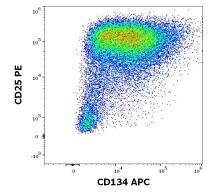
Cellular Localization Membrane; Single-pass type I membrane protein. [UniProt]

Images



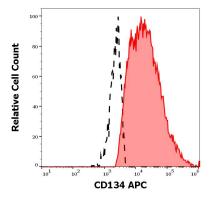
ARG42320 anti-CD134 / OX40 antibody [Ber-ACT35] (APC) FACS image

Flow Cytometry: Human PHA stimulated peripheral blood mononuclear cells stained with ARG42320 anti-CD134 / OX40 antibody [Ber-ACT35] (APC) at 10 μ l / 10^6 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 / 10^6 cells in 100 μ l of cell suspension and <u>ARG53801</u> 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 / 10^6 cells in 100 μ l of cell suspension.