

Datasheet: MCA6116APC

Description:	MOUSE ANTI HUMAN CD134:APC
Specificity:	CD134
Other names:	OX40, TNFRSF4
Format:	APC
Product Type:	Monoclonal Antibody
Clone:	Ber-ACT35
Isotype:	IgG1
Quantity:	100 TESTS/1ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			Neat

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Reacts with: Primate

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG conjugated to Allophycocyanin (APC) - liquid

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	APC	650	661

Preparation

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative	<0.1% Sodium Azide (NaN ₃)
Stabilisers	0.2% Bovine Serum Albumin
Immunogen	HTLV 1-transformed HUT-102 cells
External Database Links	<p>UniProt: P43489 Related reagents</p> <p>Entrez Gene: 7293 TNFRSF4 Related reagents</p>
Synonyms	TXGP1L
Specificity	<p>Mouse anti Human CD134, clone Ber-ACT35 recognizes CD134 also known as OX40 and TNFRSF4, a 50 kDa glycoprotein. CD134 is a type I transmembrane protein and a member of the tumor necrosis factor superfamily. CD134 is primarily expressed by activated T cells, although the level of expression differs according to T-cell subpopulations (Buchan et al. 2018).</p> <p>OX40L also known as CD252 and TNFSF4 is the ligand of CD134. Upon ligand binding, the receptor recruits TNF receptor associated factor (TRAF) proteins which triggers downstream signaling events including NFκB pathways. This activation can regulate the number of effector T cells that accumulate in primary and secondary responses and determine the frequency of T cells that are generated (Croft 2010). Mutations affecting CD134 signaling has been linked with Kaposi sarcoma as well as susceptibility to infections.</p> <p>This clone Ber-ACT35 has been used in flow cytometry experiments to measure D134 expression levels on tumor-infiltrating Treg cells in mouse and human samples (Vargas et al. 2018).</p>
Purity	>95% by SDS PAGE
Flow Cytometry	Use 10ul of the undiluted reagent to label 1x10 ⁶ cells in 100ul
Storage	<p>Store at +4°C. DO NOT FREEZE.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light.</p>
Guarantee	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
Health And Safety Information	<p>Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA6116APC 10041</p>
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:APC \(MCA928APC\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M401916:220718'

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