Datasheet: MCA4643PE

Description:	MOUSE ANTI HUMAN CD96:RPE
Specificity:	CD96
Other names:	TACTILE
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	NK92.39
Isotype:	IgG1
Quantity:	100 TESTS

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

Product Form

Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized

Reconstitution

Reconstitute with 1ml distilled water

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
RPE 488nm laser	496	578

Preparation

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

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN_3)
1% Bovine Serum Albumin
5% Sucrose

Immunogen	Natural killer 92 (NK92) cell line.
External Database Links	**UniProt:** P40200 Related reagents **Entrez Gene:** 10225 CD96 Related reagents
RRID	AB_2076156
Specificity	**Mouse anti Human CD96 antibody, clone NK92.39** recognizes human CD96, otherwise known as Tactile (T cell-activated increased late expression), a type I transmembrane glycoprotein expressed at low levels on peripheral resting T and NK cells, which increases following activation. CD96 stimulates the cytotoxicity of activated NK cells, and promotes the adhesion of NK cells to target cells expressing CD155/poliovirus receptor (PVR) and the transfer of target cell PVR to the NK cells. CD96 can be used in the immunophenotyping of T-cell acute lymphoblastic leukaemias (ALL) and acute myeloid leukaemias (AML), and may play a role in the recognition of CD155-expressing tumours by NK cells. Mouse anti Human CD96 antibody, clone NK92.39 blocks the binding of soluble CD155 to NK92 cells (Fuchs *et al.* 2004).
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10^6 cells in 100ul.
References	1. Fuchs, A. *et al.* (2004) Cutting edge: CD96 (tactile) promotes NK cell-target cell adhesion by interacting with the poliovirus receptor (CD155). J Immunol. 172 (7): 3994-8.
Storage	Prior to reconstitution store at +4°C. After reconstitution store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #20487 available at: 20487: https://www.bio-rad-antibodies.com/uploads/MSDS/20487.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:RPE (MCA928PE)

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)

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