

Datasheet: MCA4644EL

BATCH NUMBER 160420

Description:	MOUSE ANTI HUMAN CD155:Low Endotoxin
Specificity:	CD155
Other names:	POLIOVIRUS RECEPTOR
Format:	Low Endotoxin
Product Type:	Monoclonal Antibody
Clone:	SKII.4
Isotype:	IgG1
Quantity:	0.5 mg

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	▪			1/25 - 1/200
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Western Blotting			▪	
Immunofluorescence	▪			
Functional Assays	▪			

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 - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	None present

Stabilisers

Carrier Free Yes

Endotoxin Level < 0.01 EU/ug

Approx. Protein Concentrations IgG concentration 1.0mg/ml

Immunogen Human SK-N-S1 neuroblastoma cells.

External Database Links

UniProt:

[P15151](#) [Related reagents](#)

Entrez Gene:

[5817](#) PVR [Related reagents](#)

Synonyms PVS

RRID AB_1628766

Specificity **Mouse anti Human CD155 antibody, clone SKII.4** recognizes human CD155, otherwise known as poliovirus receptor (PVR). CD155 is a 397 amino acid type I transmembrane glycoprotein with a predicted molecular mass of ~45 kDa, a member of the nectin family, which acts as a mediator of cell-cell adhesion and cell migration, and is a receptor for poliovirus and cytomegalovirus.

CD155 is a primate-restricted marker expressed by monocytes, macrophages, CD34+ thymocytes, endothelial and epithelial cells, and exists as both cell surface (alpha and delta) and secreted (beta and gamma) isoforms. CD155 promotes natural killer (NK) cell adhesion and NK effector functions, interacting with the NK receptors CD96 (Tactile) and CD226 (DNAM-1). CD155 forms a heterodimer with CD113 (nectin-3) which then binds to integrin alphaVbeta3.

Mouse anti Human CD155 antibody, clone SKII.4 has been shown to inhibit NK cell-mediated lysis ([Fuchs *et al.* 2004](#)).

Flow Cytometry Use 10ul of the suggested working dilution to label 1x10⁶ cells in 100ul.

References

1. Fuchs, A. *et al.* (2005) Paradoxical inhibition of human natural interferon-producing cells by the activating receptor NKp44. [Blood. 106 \(6\): 2076-82.](#)
2. Boles, K.S. *et al.* (2009) A novel molecular interaction for the adhesion of follicular CD4 T cells to follicular DC. [Eur J Immunol. 39 \(3\): 695-703.](#)
3. Cella, M. *et al.* (2010) Loss of DNAM-1 contributes to CD8+ T-cell exhaustion in chronic HIV-1 infection. [Eur J Immunol. 40 \(4\): 949-54.](#)

Storage Store at -20°C only.
Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/MCA4644EL 10162
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@550 , DyLight@650 , DyLight@680 , DyLight@800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Low Endotoxin \(MCA928EL\)](#)

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](https://www.bio-rad-antibodies.com/datasheets)
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