

## Datasheet: MCA4644A647

<b>Description:</b>	MOUSE ANTI HUMAN CD155:Alexa Fluor® 647
<b>Specificity:</b>	CD155
<b>Other names:</b>	POLIOVIRUS RECEPTOR
<b>Format:</b>	ALEXA FLUOR® 647
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	SKII.4
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			

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.

<b>Target Species</b>	Human		
<b>Product Form</b>	Purified IgG conjugated to Alexa Fluor® 647 - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	Alexa Fluor®647	650	665
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )		
<b>Stabilisers</b>	1% Bovine Serum Albumin		
<b>Approx. Protein Concentrations</b>	IgG concentration 0.05mg/ml		

**Immunogen** Human SK-N-S1 neuroblastoma cells.

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**External Database**

**Links**

**UniProt:**

[P15151](#)   [Related reagents](#)

**Entrez Gene:**

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

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**Synonyms**

PVS

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**RRID**

AB\_1628770

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**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](#)).

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**Flow Cytometry**

Use 10ul of the suggested working dilution to label  $1 \times 10^6$  cells in 100ul.

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**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.](#)
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**Storage**

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA4644A647>  
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**Regulatory** For research purposes only

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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 647 \(MCA928A647\)](#)

### Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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