

Datasheet: MCA6056PE

Description:	RAT ANTI MOUSE CD314:RPE
Specificity:	CD314
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	CX5
Isotype:	IgG1
Quantity:	100 TESTS/0.5ml

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	▪			1/8 - 1/20

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	Mouse		
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
Preparation	Purified IgG prepared by affinity chromatography		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)		
Immunogen	Mouse CD314		
External Database Links	UniProt: O54709 Related reagents		

Entrez Gene:[27007](#) Klrk1 [Related reagents](#)

SynonymsNkg2d

Specificity

Rat anti Mouse CD314 recognizes CD314 also known NKG2D. CD314 is a member of the CD92/NKG2 family of C-type lectin receptors. Members of the CD94/NKG2 family are primarily expressed on natural killer or cytotoxic T cells where they activate or inhibit the cytotoxic activities of these cells. CD314 is an activating receptor and functions in collaboration with DAP10. CD314 binds HLA/MHC molecules which are often upregulated under inflammatory conditions.

Flow CytometryUse 10 µl of the suggested working dilution to label 1x10⁶ cells in 100ul

Storage

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.

Guarantee12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

RegulatoryFor research purposes only

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