

Datasheet: TZA0132GA

Description:	MOUSE ANTI HUMAN CD123
Specificity:	CD123
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	rA26B26-02-4B11
Isotype:	IgG1
Quantity:	0.1 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	▪			

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 recombinant IgG containing a SpyTag at the C-terminus of the antibody heavy chain – liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Source	CHO cells
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Recombinant CD123 Thr19-Arg305 expressed by mammalian cells

External Database Links	UniProt: P26951 Related reagents
	Entrez Gene: 3563 IL3RA Related reagents
Synonyms	IL3R
Specificity	<p>Mouse anti Human CD123 antibody, clone rA26B26-02-4B11, is a recombinant monoclonal antibody that recognizes CD123, also known as the human interleukin-3 (IL-3) receptor alpha chain or IL-3RA.</p> <p>CD123 is the primary low-affinity subunit of the IL-3 receptor, and heterodimerises with the β common subunit (CD131) to form the high affinity IL-3 receptor. CD123 contains two fibronectin III-like domains that bind IL-3, and an N-terminal domain that plays a key role in regulating function and preventing spontaneous receptor dimerization. CD123 is expressed on various hematopoietic cells, including myeloid progenitors, monocytes, basophils and plasmacytoid dendritic cells.</p> <p>CD123 has been found to be upregulated in several hematological malignancies, including acute myeloid leukemia (AML), acute lymphoblastic leukemia (ALL), Hodgkin lymphoma, hairy cell leukemia, blastic plasmacytoid dendritic cell neoplasm (BPDCN) and systemic mastocytosis. The differential expression between neoplastic cells and normal precursors has highlighted CD123 as an attractive diagnostic biomarker and potential target for therapy.</p>
Flow Cytometry	Use 5 μ l of the suggested working dilution to label 0.5x10 ⁶ cells in 100 μ l. Best practices suggest a 5 min centrifugation at 6,000g prior to sample application.
Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Acknowledgements	This product and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. See bio-rad.com/en-us/trademarks for details.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/TZA0132GA
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
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 (STAR12...)	RPE

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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