

Datasheet: TZA0164GA

BATCH NUMBER 64759443

Description:	MOUSE ANTI HUMAN CD85k
Specificity:	CD85k
Other names:	ILT-3
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	rA43B43-02/1F6-3
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	IgG concentration 1.0 mg/ml

Concentrations

Immunogen	Recombinant CD85k Gln22-Glu259 expressed by mammalian cells
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External Database Links

UniProt:

[Q8NHJ6](#)

[Related reagents](#)

Entrez Gene:

[11006](#)

LILRB4

[Related reagents](#)

Synonyms

ILT3, LIR5

Specificity

Mouse anti Human CD85k antibody, clone rA43B43-02/1F6-3, is a recombinant monoclonal antibody that recognizes CD85k, also known as Immunoglobulin-like transcript 3 (ILT-3) and leukocyte immunoglobulin-like receptor subfamily B member 4 (LILRB4).

CD85k is a type I transmembrane glycoprotein, part of the LILR family of innate immunomodulatory receptors. It contains two extracellular immunoglobulin-like domains and three cytoplasmic immunoreceptor tyrosine-based inhibitor motifs (ITIM) that exert an inhibitory effect on immune responses. CD85k is expressed by dendritic cells, monocytes and macrophages and is stimulated by a range of ligands, including APOE, CD166 and fibronectin. Upon ligand binding, the Src-family protein Lyn is autophosphorylated, phosphorylating the ITIM tyrosine residues and leading to negative regulation of Syk and PI3K signaling. CD85k has roles in the induction of tolerogenic dendritic cells and regulatory T cells, inhibition of cytokine production and inhibition of T cell activity.

CD85k is expressed on a number of cancers, including multiple myeloma, gastric cancer, AML and ovarian cancer. It is a potential therapeutic target in cancer immunotherapy.

Flow Cytometry

Use 5µl of the suggested working dilution to label 0.5×10^6 cells in 100µl. Best practices suggest a 5 min centrifugation at 6,000g prior to sample application.

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.

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/TZA0164GA>

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
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP

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
'M485699:260902'

Printed on 30 Sep 2026