

Datasheet: TZA075GA

Description:	MOUSE ANTI HUMAN CD95
Specificity:	CD95
Other names:	FAS, TNFRSF6
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	rE06-1A9
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 full length CD95 (Gln26-Val335) expressed in *E.coli*

External Database

Links

UniProt:

[P25445](#) [Related reagents](#)

Entrez Gene:

[355](#) FAS [Related reagents](#)

Synonyms

APT1, FAS1, TNFRSF6

Specificity

Mouse anti Human CD95 antibody, clone rE06-1A9, is a recombinant monoclonal antibody that recognizes CD95, also known as Tumor necrosis factor receptor superfamily member 6 (TNFRSF6), FAS, APO-1 antigen or FASLG receptor.

CD95 is a single pass type I transmembrane glycoprotein and a prototypic death receptor. It is widely expressed throughout the body, particularly by activated T and B cells, NK cells and thymocytes. Upon binding of its ligand CD95L (CD178), CD95 interacts with adaptor proteins to form a death-inducing signaling complex (DISC), initiating a cascade of caspases and mediating apoptosis. CD95 is also able to promote inflammation, cell growth and migration through other signaling pathways, including PI3K, NFκB and JNK MAPKs.

Alterations in the CD95/CD95L pathway are associated with various diseases, including autoimmune diseases, inflammation and cancer. Mutations in the CD95 gene, *FAS*, can lead to the development of Autoimmune lymphoproliferative syndrome 1A (ALPS1A), an apoptotic disorder with early onset, resulting in an accumulation of autoreactive lymphocytes.

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/TZA075GA>

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
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
Rabbit Anti Mouse IgG (STAR13...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	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

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