

Datasheet: MCA5984GA

Description:	MOUSE ANTI HUMAN CD257
Specificity:	CD257
Other names:	BAFF, BLyS
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	A01-1A12
Isotype:	IgG2a
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		▪		
ELISA	▪			
Western Blotting	▪			

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 IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen *E. coli* derived recombinant protein corresponding to aa 134-285 of human CD257

External Database

Links

UniProt:

[Q9Y275](#) [Related reagents](#)

Entrez Gene:

[10673](#) TNFSF13B [Related reagents](#)

Synonyms

BAFF, BLYS, TALL1, TNFSF20, ZTNF4

Fusion Partners

Spleen cells from immunized Balb/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity

Mouse anti Human CD257 antibody, clone A01-1A12 recognizes CD257, a ~31 kDa protein. CD257 is also known as B cell activating factor (BAFF), tumor necrosis factor superfamily 13B (TNFSF13B), B lymphocyte stimulator (BLyS) and TNF and APOL-related leukocyte expressed ligand. CD257 is a type 2 transmembrane protein which can be cleaved proteolytically to form a soluble protein. CD257 exerts anti-apoptotic effects and promotes B cell survival via CD267 (TACI), CD269 (BCMA) and CD268 (BAFFR) receptors, the latter interaction playing a critical role in the activation, survival, differentiation and proliferation of B cells ([Mackay & Schneider, 2009](#)).

Further Reading

1. Mackay, F. & Schneider, P. (2009) Cracking the BAFF code. [Nat Rev Immunol. 9 \(7\): 491-502.](#)

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

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA5984GA>
10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Human Anti Mouse IgG2a (HCA037...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
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](#)

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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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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