

Datasheet: MCA5984GA

BATCH NUMBER 280814

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
ELISA	▪			

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	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> 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, clone A01-1A12 recognizes CD257, a ~31 kDa protein. CD257 is also known as B cell activating factor (BAFF), tumour necrosis factor superfamily 13B (TNFSF13B), B lymphocyte stimulator (BLyS) and TNF and APOE-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

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@550](#),
[DyLight@650](#), [DyLight@680](#), [DyLight@800](#),
[FITC](#), [HRP](#)

Goat Anti Mouse IgG (STAR77...) [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

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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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