

Datasheet: MCA2677

BATCH NUMBER 165658

Description:	MOUSE ANTI HUMAN CD257
Specificity:	CD257
Other names:	BAFF, BLyS
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	2B
Isotype:	IgG1
Quantity:	0.5 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			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			5 - 6ug/ml

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 - lyophilized
Reconstitution	Reconstitute with 0.5ml distilled water
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present

Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0mg/ml after reconstitution.
Immunogen	Recombinant 17 kDa polypeptide corresponding to the TNF-like portion of the extracellular domain of human CD257, expressed in <i>E. coli</i> .
External Database Links	<p>UniProt: Q9Y275 Related reagents</p> <p>Entrez Gene: 10673 TNFSF13B Related reagents</p>
Synonyms	BAFF, BLYS, TALL1, TNFSF20, ZTNF4
RRID	AB_2206823
Specificity	<p>Mouse anti Human CD257 antibody, clone 2B recognises CD257, also known as BAFF/BLYS. CD257 is a 285 amino acid type II transmembrane protein and member of the tumor necrosis factor (TNF) superfamily of ligands, which acts as a B and T cell stimulator and plays a role in the development of autoimmune diseases such as systemic lupus erythematosus.</p> <p>CD257 is expressed by monocytes, macrophages, T cells and dendritic cells and acts through binding to 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. Mouse anti Human CD257 antibody, clone 2B has not been cross-adsorbed and may react with homologous proteins from related species.</p>
Further Reading	1. Bossen, C. & Schneider, P. (2006) BAFF, APRIL and their receptors: structure, function and signaling. Semin Immunol. 18 (5): 263-75.
Storage	<p>Prior to reconstitution store at -20°C. After reconstitution store at -20°C.</p> <p>This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10294 available at: https://www.bio-rad-antibodies.com/SDS/MCA2677 10294
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
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
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 (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Recommended Negative Controls

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

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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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
'M410614:221028'

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