

## Datasheet: MCA2677

<b>Description:</b>	MOUSE ANTI HUMAN CD257
<b>Specificity:</b>	CD257
<b>Other names:</b>	BAFF, BLyS
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	2B
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - lyophilised
<b>Reconstitution</b>	Reconstitute with 0.5ml distilled water
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml after reconstitution.
<b>Immunogen</b>	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**

**UniProt:**  
[Q9Y275](#)    [Related reagents](#)

**Entrez Gene:**  
[10673](#)    TNFSF13B    [Related reagents](#)

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**Synonyms**            BAFF, BLYS, TALL1, TNFSF20, ZTNF4

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**Specificity**            **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.

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.

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**Further Reading**        1. Bossen, C. & Schneider, P. (2006) BAFF, APRIL and their receptors: structure, function and signaling. [Semin Immunol. 18 \(5\): 263-75.](#)

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**Storage**                Prior to reconstitution store at +4°C.  
After reconstitution store at -20°C.  
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.

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**Shelf Life**              12 months from date of reconstitution.

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**Health And Safety  
Information**            Material Safety Datasheet Documentation #10162 available at:  
<https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

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**Regulatory**             For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)            [HRP](#)  
Rabbit Anti Mouse IgG (STAR13...)        [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...)    [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR8...)        [DyLight®800](#)  
Goat Anti Mouse IgG (STAR76...)        [RPE](#)  
Rabbit Anti Mouse IgG (STAR12...)        [RPE](#)  
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®549](#),  
[DyLight®649](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...)        [FITC](#)

Human Anti Mouse IgG1 (HCA036...) [HRP](#)

Goat Anti Mouse IgG (STAR70...) [FITC](#)

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