

Datasheet: MCA2244EL

BATCH NUMBER 172004

Description:	RAT ANTI MOUSE LYMPHOTOXIN BETA RECEPTOR:Low Endotoxin
Specificity:	LYMPHOTOXIN BETA RECEPTOR
Format:	Low Endotoxin
Product Type:	Monoclonal Antibody
Clone:	5G11b
Isotype:	IgG2a
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	▪			1/50 - 1/100
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
Functional Assays	▪			

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	Mouse
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	None present

Carrier Free	Yes
Endotoxin Level	< 0.01 EU/μg
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Recombinant extracellular domain of LT beta R.
External Database Links	<p>UniProt: P50284 Related reagents</p> <p>Entrez Gene: 17000 Ltbr Related reagents</p>
Synonyms	Tnfr, Tnfrsf3
RRID	AB_566585
Fusion Partners	Spleen cells from immunized Wistar rats were fused with cells of the SP2/0 - Ag14 mouse myeloma cell line.
Specificity	<p>Rat anti Mouse Lymphotoxin beta Receptor antibody, clone 5G11b recognizes murine Tumor necrosis factor receptor superfamily member 3, also known as lymphotoxin-beta receptor, LT beta R, or Tumor necrosis factor receptor superfamily member 3. Lymphotoxin beta receptor is 385 amino acid (415 aa including 30 aa signal peptide) ~50 kDa type 1, single pass transmembrane glycoprotein and member of the tumor necrosis factor family. LT beta R is primarily expressed on stromal cells and fibroblasts and at lower levels on myeloid cell lines. Rat anti Mouse Lymphotoxin beta Receptor antibody, clone 5G11b recognizes surface expressed LT beta R.</p> <p>Rat anti Mouse Lymphotoxin beta Receptor antibody, clone 5G11b is reported to be agonistic with respect to NF Kappa B activation, MIP-2 induction and IL-6 release (Hehlgans <i>et al.</i> 2003).</p> <p>Rat anti Mouse Lymphotoxin beta Receptor antibody, clone 5G11b is routinely tested on WEH164S cells.</p>
Flow Cytometry	Use 10μl of the suggested working dilution to label 10 ⁶ cells in 100μl
References	<ol style="list-style-type: none"> Palumbo, M.O. <i>et al.</i> (2006) Isolation and characterization of proinsulin-producing medullary thymic epithelial cell clones. Diabetes. 55: 2595-601. Moore, F. <i>et al.</i> (2007) An alternative pathway of NF-kappaB activation results in maturation and T cell priming activity of dendritic cells overexpressing a mutated IkappaBalpha. J Immunol. 178: 1301-11. Magari, M. <i>et al.</i> (2011) IL-21-Dependent B Cell Death Driven by Prostaglandin E2, a Product Secreted from Follicular Dendritic Cells. J Immunol. 187: 4210-8. Into, T. <i>et al.</i> (2018) MyD88 signaling causes autoimmune sialadenitis through formation

of high endothelial venules and upregulation of LTββ receptor-mediated signaling. [Sci Rep. 8 \(1\): 14272.](#)

Further Reading	1. Muller, P. <i>et al.</i> (2001) Functional characterization of the mouse lymphotoxin-beta receptor promoter. Eur Cytokine Netw. 12 (2): 325-30.
Storage	Store at -20°C only. 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.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/MCA2244EL
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	DyLight@800
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight@550 , DyLight@650 , DyLight@800
Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR73...)	RPE
Goat Anti Rat IgG (STAR72...)	HRP
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin
Rabbit Anti Rat IgG (STAR21...)	HRP

Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL:Low Endotoxin \(MCA1212EL\)](#)

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
'M445888:250929'

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