

Datasheet: MCA2108

Description:	MOUSE ANTI HUMAN BLTR
Specificity:	BLTR
Other names:	LEUKOTRIENE B4 RECEPTOR
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	202/7B1
Isotype:	IgG2a
Quantity:	0.2 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			▪	
Immunofluorescence	▪			
Immunoassay	▪			

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.

Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	HeLa cell transfectants expressing human BLTR.
External Database Links	<p>UniProt: Q15722 Related reagents</p> <p>Entrez Gene: 1241 LTB4R Related reagents</p>
Synonyms	BLT, BLT1, BLTR, CMKRL1, GPR16, P2RY7
RRID	AB_323834
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the mouse SP2/0 myeloma cell line.
Specificity	<p>Mouse anti Human BLTR antibody, clone 202/7B1 recognizes Human leukotriene B4 receptor, also known as BLTR, Chemoattractant receptor-like 1, G-protein coupled receptor 16 or P2Y purinoceptor 7. BLTR is a 353 ~40 kDa multipass transmembrane glycoprotein</p> <p>BLTR is expressed by peripheral blood granulocytes and is important in the pro-inflammatory response.</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells or 100ul whole blood.
References	<ol style="list-style-type: none"> Pettersson, A. <i>et al.</i> (2000) First-generation monoclonal antibodies identifying the human leukotriene B(4) receptor-1. Biochem Biophys Res Commun. 279 (2): 520-5. Costa, M.F. <i>et al.</i> (2010) Leukotriene B4 mediates gammadelta T lymphocyte migration in response to diverse stimuli. J Leukoc Biol. 87: 323-32. Islam, S.A. <i>et al.</i> (2006) The leukotriene B4 lipid chemoattractant receptor BLT1 defines antigen-primed T cells in humans. Blood. 107: 444-53. Medoff, B.D. <i>et al.</i> (2005) BLT1-mediated T cell trafficking is critical for rejection and obliterative bronchiolitis after lung transplantation. J Exp Med. 202: 97-110. Serezani, C.H. <i>et al.</i> (2009) FcγRIIb ligation leads to a complex with BLT1 in lipid rafts that enhances rat lung macrophage antimicrobial functions. Blood. 114: 3316-24. Heller, E.A. <i>et al.</i> (2005) Inhibition of atherogenesis in BLT1-deficient mice reveals a role for LTB4 and BLT1 in smooth muscle cell recruitment. Circulation. 112: 578-86. Thomas, S.Y. <i>et al.</i> (2007) Multiple chemokine receptors, including CCR6 and CXCR3, regulate antigen-induced T cell homing to the human asthmatic airway. J Immunol. 179: 1901-12. Sabirsh, A. <i>et al.</i> (2005) Fluorescent leukotriene B4: potential applications. J Lipid Res. 46: 1339-46.

9. Loell, I. *et al.* (2012) Activated LTB4 pathway in muscle tissue of patients with polymyositis or dermatomyositis. [Ann Rheum Dis. 72: 293-9.](#)
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11. Laarman, A.J. *et al.* (2012) *Staphylococcus aureus* Staphopain A inhibits CXCR2-dependent neutrophil activation and chemotaxis. [EMBO J. 31: 3607-19.](#)
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Storage	Store at +4°C or at -20°C if preferred. 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 #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Human Anti Mouse IgG2a (HCA037...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@680 , DyLight@800 , FITC , HRP

Recommended Negative Controls

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

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