

Datasheet: MCA2108GA

BATCH NUMBER 171796

Description:	MOUSE ANTI HUMAN BLTR
Specificity:	BLTR
Other names:	LEUKOTRIENE B4 RECEPTOR
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	202/7B1
Isotype:	IgG2a
Quantity:	0.1 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
Flow Cytometry	▪			1/100 - 1/200
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 A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline

Preservative Stabilisers	0.09% sodium azide (NaN ₃)
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_324250
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 10µl of the suggested working dilution to label 10 ⁶ cells or 100µl whole blood
References	<ol style="list-style-type: none"> 1. Sabirsh, A. <i>et al.</i> (2005) Fluorescent leukotriene B4: potential applications. J Lipid Res. 46: 1339-46. 2. 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. 3. 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. 4. 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. 5. 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. 6. 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. 7. Costa, M.F. <i>et al.</i> (2010) Leukotriene B4 mediates γδ T lymphocyte migration in response to diverse stimuli. J Leukoc Biol. 87: 323-32.

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Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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/MCA2108GA>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

- Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)
- Goat Anti Mouse IgG (STAR70...) [FITC](#)
- Goat Anti Mouse IgG (STAR77...) [HRP](#)
- Goat Anti Mouse IgG (STAR76...) [RPE](#)
- Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
- Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
- Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
- Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
- Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#), [DyLight®650](#), [DyLight®680](#), [DyLight®800](#), [FITC](#), [HRP](#)

Recommended Negative Controls

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

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
'M444887:250807'

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