

ARG22532 anti-Leukotriene B4 Receptor antibody [202/7B1]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [202/7B1] recognizes Leukotriene B4 Receptor This antibody 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 aa, ~40 kDa multipass transmembrane glycoprotein BLTR is expressed by peripheral blood granulocytes and is important in the pro-inflammatory response.
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-Fr
Host	Mouse
Clonality	Monoclonal
Clone	202/7B1
Isotype	IgG2a
Target Name	Leukotriene B4 Receptor
Species	Human
Immunogen	HeLa cell transfectants expressing human BLTR.
Conjugation	Un-conjugated
Alternate Names	GPR16; LTB4R1; P2Y purinoceptor 7; BLTR; Chemoattractant receptor-like 1; BLT1; P2Y7; LTB4-R1; LTB4-R 1; G-protein coupled receptor 16; LTBR1; Leukotriene B4 receptor 1; CMKRL1; P2RY7

Application Instructions

Application table	Application	Dilution
	FACS	Neat
	ICC/IF	
	IHC-Fr	Assay-dependent
Application Note	FACS: Use 10ul of the suggested working dilution to label 10 ⁶ cells or 100ul whole blood. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

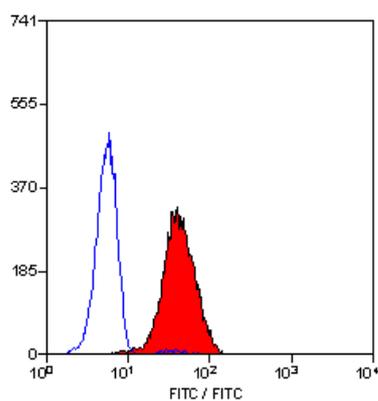
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	LTB4R
Gene Full Name	leukotriene B4 receptor
Function	Receptor for extracellular ATP > UTP and ADP. The activity of this receptor is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system. May be the cardiac P2Y receptor involved in the regulation of cardiac muscle contraction through modulation of L-type calcium currents. Is a receptor for leukotriene B4, a potent chemoattractant involved in inflammation and immune response. [UniProt]
Calculated Mw	38 kDa
PTM	Phosphorylated by GRK6 upon leukotriene B4 binding; which promotes desensitization.

Images



ARG22532 anti-Leukotriene B4 Receptor antibody [202/7B1] FACS image

Flow Cytometry: Human peripheral blood monocytes stained with ARG22532 anti-Leukotriene B4 Receptor antibody [202/7B1].