

Datasheet for ABIN2688854

anti-Leukotriene B4 Receptor/BLT antibody (Biotin)



[Go to Product page](#)

3 Publications

Overview

Quantity:	100 tests
Target:	Leukotriene B4 Receptor/BLT (LTB4R)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Leukotriene B4 Receptor/BLT antibody is conjugated to Biotin
Application:	Flow Cytometry (FACS)

Product Details

Brand:	BD Pharmingen™
Immunogen:	Human BLTR-1-transfected cell line
Clone:	203-14F11
Isotype:	IgG1
Characteristics:	The monoclonal antibody 203/14F11 reacts against human leukotriene B4 receptor 1 (BLTR-1). BLTR-1 is a seven-transmembrane, G-protein-coupled receptor. The receptor plays an important role in pro-inflammatory responses. Leukotriene B4 receptors are distributed in various hematopoietic cells including monocytes, granulocytes, and lymphocytes. Leukotriene B4 (LTB4), a product of arachidonic acid metabolism, is the ligand for BLTR-1. The immunogen used to generate 203/14F11 hybridoma was a human BLTR-1-transfected cell line. Detection of BLTR-1 expression on human peripheral monocytes and granulocytes by biotinylated 203/14F11. Human lysed whole blood were stained with 20 µL/test of biotinylated 203/14F11.

Product Details

Streptavidin-PE (Cat. No. 554061) was used as second-step reagent. The data reflects gating on monocytes (left panel) and granulocytes (right panel) based on forward and side scattered light signals. The level of nonspecific staining was assessed by using biotinylated mouse IgG1 (Cat. No. 555747) as isotype control (shaded histogram).

BD Pharmingen™ Biotin Mouse Anti-Human BLTR-1(Leukotriene B4 Receptor) - Biotin - Clone 203/14F11 - Isotype Mouse IgG1 - Reactivity Hu - 100 Tests

Purification: The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target: Leukotriene B4 Receptor/BLT (LTB4R)

Alternative Name: BLTR-1Leukotriene B4 Receptor ([LTB4R Products](#))

Background: Synonyms: hBLTR-1

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Sample Volume: 20 µL

Restrictions: For Research Use only

Handling

Buffer: Aqueous buffered solution containing BSA and ≤0.09 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: The antibody was conjugated with biotin under optimum conditions, and unreacted biotin was removed.

Storage: 4 °C

Storage Comment: Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Publications

- Product cited in: Pettersson, Boketoft, Sabirsh, Nilsson, Kotarsky, Olde, Owman: "First-generation monoclonal antibodies identifying the human leukotriene B(4) receptor-1." in: **Biochemical and biophysical research communications**, Vol. 279, Issue 2, pp. 520-5, (2001) ([PubMed](#)).
- Dasari, Jin, Kunapuli: "Distribution of leukotriene B4 receptors in human hematopoietic cells." in: **Immunopharmacology**, Vol. 48, Issue 2, pp. 157-63, (2000) ([PubMed](#)).
- Yokomizo, Masuda, Kato, Toda, Izumi, Shimizu: "Leukotriene B4 receptor. Cloning and intracellular signaling." in: **American journal of respiratory and critical care medicine**, Vol. 161, Issue 2 Pt 2, pp. S51-5, (2000) ([PubMed](#)).