

Technical Data Sheet

PE Mouse Anti-Human BLTR-1

Product Information

Material Number:	552836
Alternate Name:	hBLTR-1
Size:	100 tests
Vol. per Test:	20 µl
Clone:	203/14F11
Immunogen:	Human BLTR-1-transfected cell line
Isotype:	Mouse IgG1
Reactivity:	QC Testing: Human
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

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.

Preparation and Storage

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

The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed.

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

Application Notes

Application

Flow cytometry	Routinely Tested
----------------	------------------

Suggested Companion Products

Catalog Number	Name	Size	Clone
555749	PE Mouse IgG1, κ Isotype Control	100 tests	MOPC-21

Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1×10^6 cells in a 100-µl experimental sample (a test).
2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/pharmingen/colors.
5. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
6. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

Dasari VR, Jin J, Kunapuli SP. Distribution of leukotriene B4 receptors in human hematopoietic cells. *Immunopharmacology*. 2000; 48(2):157-163.(Biology)
 Pettersson A, Boketoft A, Sabirsh A, et al. First-generation monoclonal antibodies identifying the human leukotriene B(4) receptor-1. *Biochem Biophys Res Commun*. 2000; 279(2):520-525.(Biology)
 Yokomizo T, Masuda K, Kato K, Toda A, Izumi T, Shimizu T. Leukotriene B4 receptor. Cloning and intracellular signaling. *Am J Respir Crit Care Med*. 2000; 161(2):551-555.(Biology)

BD Biosciences

bdbiosciences.com

United States	Canada	Europe	Japan	Asia Pacific	Latin America/Caribbean
877.232.8995	888.259.0187	32.53.720.550	0120.8555.90	65.6861.0633	55.11.5185.9995

For country-specific contact information, visit bdbiosciences.com/how_to_order/

Conditions: The information disclosed herein is not to be construed as a recommendation to use the above product in violation of any patents. BD Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Becton Dickinson and Company is strictly prohibited.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Not for resale.

BD, BD Logo and all other trademarks are the property of Becton, Dickinson and Company. ©2008 BD

