bs-2654R

[Primary Antibody]

LTB4-R1 Rabbit pAb

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DATASHEET

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

GeneID: 1241

SWISS: Q15722

Target: LTB4-R1

Immunogen: KLH conjugated synthetic peptide derived from human LTB4-R1: 101-200/352. < Cytoplasmic >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Leukotriene B4 Receptor is a member of the GPCR family (subfamily:chemoattractant). It is a receptor for leukotriene B4, a potent chemoattractant involved in inflammation and immune response. It has been reported in blood, bone marrow, brain, heart, liver, and skeletal muscle. In addition, it has been shown to be highly expressed in leukocytes and lymphoid tissues such as spleen, thymus, and lymph node. ESTs have been isolated from B cell/lung/testis, breast, colon, eye, kidney, skin, spleen, testis, and tonsil libraries.

Applications: **ELISA** (1:5000-10000)

Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Cow, Dog, GuineaPig, Horse)

Predicted MW.: 39 kDa

Subcellular Location: Cell membrane

SELECTED CITATIONS

- **[IF=4.57]** Zinn, Sebastian, et al. "The leukotriene B4 receptors BLT1 and BLT2 form an antagonistic sensitizing system in peripheral sensory neurons." Journal of Biological Chemistry (2017): jbc-M116. IHC ;="Mouse". 28242764
- **[IF=5.093]** Zhao, Xiu-Juan. et al. Therapeutic effect of the sulforaphane derivative JY4 on ulcerative colitis through the NF-κB-p65 pathway. INFLAMMOPHARMACOLOGY. 2022 Aug;:1-12 IHC ;Mouse. 35943671
- **[IF=3.491]** Malihe Eskandarpour. et al. Leukotriene B4 and Its Receptor in Experimental Autoimmune Uveitis and in Human Retinal Tissues: Clinical Severity and LTB4 Dependence of Retinal Th17 Cells. Am J Pathol. 2021 Feb;191:320 IF ;Human. 33159884
- **[IF=1.6]** María José Torres. et al. Alpha-lipoic acid-mediated inhibition of LTB4 synthesis suppresses epithelial-mesenchymal transition, modulating functional and tumorigenic capacities in non-small cell lung cancer A549 cells. CURR THER RES CLIN E. 2024 Nov;:100765 IHC ;Human. 10.1016/j.curtheres.2024.100765
- **[IF=0]** Wculek, S. Pre-metastatic neutrophils directly support highly tumourigenic breast cancer cells during lung metastasis via a leukotriene-ERK1/2 axis. Diss. UCL (University College London), 2016. FCM ;="Mouse". TheUniversityofMustansiriyah