



ANOGEn - A Division of YES Biotech Laboratories Ltd.

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Mouse Anti-Human FPRL1 2nd Extracellular Loop Monoclonal Antibody Datasheet

Product Name: mAb anti-Human FPRL1 2nd extracellular loop

Clone No.: B7H10

Catalogue No.: MO-P40007B

Quantity: 0.5 mg/vial

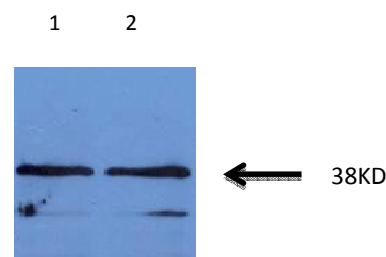
Description:	Mouse monoclonal antibody against the 2 nd extracellular loop of human formyl peptide-receptor-like-1 (FPRL1)
Purification:	Protein G affinity purified
Product Type:	Primary antibody
Target Protein:	The 2 nd extracellular loop of human formyl peptide-receptor-like-1 (FPRL1)
Immunogen:	A short peptide (ASWGGTPEERLKC) corresponding to the amino acids on the 2 nd extracellular loop of human FPRL1 is conjugated with KLH for immunization.
Fusion Myeloma:	Sp2/O-Ag14
Specificity:	This antibody is reactive to the peptide (ASWGGTPEERLKC) from the 2 nd extracellular loop of human FPRL1 and is also reactive to intact human FPRL1.
Species Reactivity:	Human
Host / Isotype:	Mouse, IgG1 Kappa
Formulation:	Lyophilized from a solution in 0.01M PBS pH7.2
Reconstitution:	Double distilled water is recommended to adjust the final concentration to 1.00 mg/ml.
Storage:	Store at -20°C. Avoid repeated freeze and thaw cycles.
Research Area:	G-protein coupled membrane receptor, chemotaxis and Alzheimer's disease.
Background:	Human formyl peptide receptor-like 1 (FPRL1) is a G-protein coupled seven transmembrane receptor. The receptor can bind to the formyl peptides derived from the degradation of the

cell wall of infected bacteria and host cells. FPRL1 expressed on the cell surface of neutrophils and other leukocytes mediates the chemotaxis of these cells toward infected site. It has been reported that acute phase protein SAA is also a ligand of FPRL1 and SAA can induce the secretion of IL-8 and TNF- α by neutrophil through FPRL1 signalling. FPRL1 has also been shown to mediate the chemotaxis of microglia by Abeta42 peptide and the internalization of Abeta42 peptide into cytoplasm of macrophage, indicating that FPRL1 may participate in the Abeta42 peptide elicited pathogenesis in Alzheimer's disease.

Applications:

ELISA: In indirect ELISA, the antibody is reactive to the peptide (ASWGGTPEERLKC) from the 2nd extracellular loop of human FPRL1.

Western blot:



1&2: FPRL1 /293 cells

Western blot analysis of extracts from 293 cells transfected with FPRL1 DNA using anti-FPRL1 antibody (B7H10) at 1:2000(0.5 μ g/mL) dilution.

References:

If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

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