

Mouse anti-Human FPRL1 Monoclonal Antibody | anti-FPR2 antibody

anti-human formyl peptide-receptor-like-1 (FPRL1) monoclonal antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71466	Mouse	Human	Flow Cytometry, Functional Assay

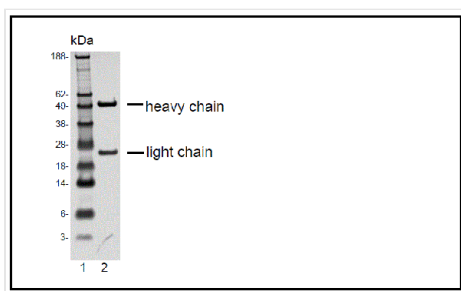
PRODUCT SYNONYMS

FPRL1; Monoclonal Antibody; anti-human formyl peptide-receptor-like-1 (FPRL1) monoclonal antibody; FPR2; anti-FPR2 antibody

PRODUCT SPECIFICATIONS

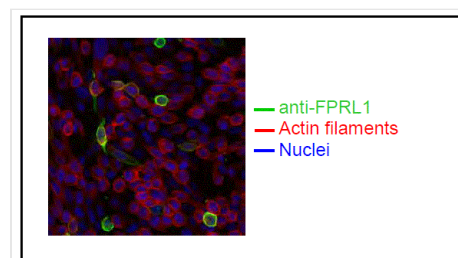
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	GM-1D6
Specificity	anti-human formyl peptide-receptor-like-1 (FPRL1)
Purity/Purification	Protein G
Form/Format	Purified
Sequence Length	351
Applicable Applications for anti-FPR2 antibody	FCM/FACS (Flow Cytometry)
Buffer	phosphate buffered saline, pH 7.2
Immunogen	genetic immunisation with cDNA encoding human FPRL1
Selection	based on recognition of the complete native protein expressed on transfected mammalian cells
Immunogen	cDNA
Preparation and Storage	Short term: 2 degree C - 8 degree C; long term: -20 degree C (avoid repeated freezing and thawing)

IMAGES



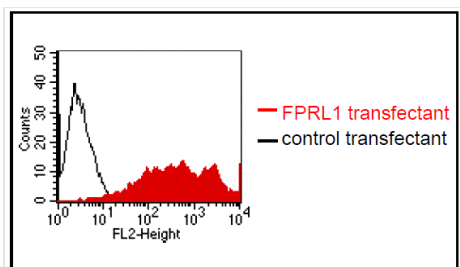
Application Data

SDS-PAGE analysis of GM-1D6 The antibody was purified by protein G affinity chromatography from cell culture supernatants and verified by SDS-Page (Fig.3). Fig.3: SDS-PAGE analysis of purified GM-1D6 monoclonal antibody. Lane 1: molecular weight marker, Lane 2: 2 µg of purified GM-1D6 antibody. Proteins were separated by SDS-PAGE and stained with RAPID Stain™ Reagent.



Application Data

Fig.2: Spectral Confocal Microscopy of CHO cells using GM1-D6 Cat.# GM-0601. CHO cells were transiently transfected with an expression vector encoding FPRL1. Binding of GM-1D6 was visualized with a FITC-conjugated secondary antibody (green). Actin filaments are labeled with Alexa Fluor-555 Phalloidin (red). Cell nuclei are stained with DAPI (blue).



Application Data

Fig.1: FACS analysis of BOSC23 cells using GM- 1D6 Cat.# GM0601. BOSC23 cells were transiently transfected with an expression vector encoding either FPRL1 (red curve) or an irrelevant protein (control transfectant: black curve). Binding of GM- 1D6 was detected with a PE-conjugated secondary antibody. A positive signal was obtained only with FPRL1 transfected cells.

ADDITIONAL INFORMATION

Related Product Information for anti-FPR2 antibody	Background: Human formyl peptide-receptor-like-1 (FPRL1) belongs to the large family of G-protein coupled receptors (GPCR). It is a seven transmembrane protein expressed on mononuclear phagocytes and microglial cells. FPRL1 is a member of the chemoattractant subfamily of G protein-coupled receptors and plays a key role in inflammation via chemotaxis and the regulation of mediator release from leukocytes. It interacts with formyl peptides to attract phagocytes to sites of infection and promote inflammatory reactions (1). FPRL1 also interacts with amyloid beta peptides and has been implicated in phagocyte attraction to sites of amyloid plaques in Alzheimer's disease (2). Since FPRL1 is expressed in neutrophils and monocytes, and it was shown using another monoclonal antibody that chemokines can be potent and specific ligands, FPRL1 might have interesting functions in inflammatory pathways (3).
References	Migeotte I, Communi D, Parmentier M (2006). Formyl peptide receptors: a promiscuous subfamily of G protein-coupled receptors controlling immune responses. <i>Cytokine Growth Factor Rev</i> 17(6):501-19. Cui Y, Le Y, Yazawa H, Gong W, Wang JM (2002). Potential role of the formyl peptide receptorlike 1 (FPRL1) in inflammatory aspects of Alzheimer's disease. <i>J Leukoc Biol</i> 72(4):628-35 Elagoz A, Henderson D, Babu PS, Salter S, Grahames C, Bowers L, Roy MO, Laplante P, Grazzini E, Ahmad S and PM Lembo (2004). A truncated form of CKbeta8-1 is a potent agonist for human formyl peptide-receptor-like 1 receptor. <i>Br J Pharmacol</i> 141: 37-46.

NCBI AND UNIPROT INFORMATION

NCBI GI #	54112388
NCBI GeneID	2358
NCBI Accession #	NP_001005738.1
NCBI GenBank Nucleotide #	NM_001005738.1
UniProt Accession #	P25090; A8K3E2; AAB23104
Molecular Weight	38,964 Da
NCBI Official Full Name	N-formyl peptide receptor 2
NCBI Official Synonym Full Names	formyl peptide receptor 2
NCBI Official Symbol	FPR2
NCBI Official Synonym Symbols	ALXR; HM63; FMLPX; FPR2A; FPRH1; FPRH2; FPRL1; LXA4R; FMLP-R-II
NCBI Protein Information	N-formyl peptide receptor 2; RFP; FMLP-R-I; LXA4 receptor; FMLP-related receptor I; formyl peptide receptor-like 1; lipoxin A4 receptor (formyl peptide receptor related)
UniProt Gene Name	FPR2
UniProt Synonym Gene Names	FPRH1; FPRL1; LXA4R; FMLP-R-I; LXA4 receptor
UniProt Entry Name	FPR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/fprl1-antibody-clone-gm-1d6-flow-cytometry-elisa/71466>