



Datasheet for ABIN108736

anti-FPR2 antibody



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4 Images

1 Publication

Overview

Quantity:	100 µg
Target:	FPR2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FPR2 antibody is un-conjugated
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	genetic immunisation with cDNA encoding human FPRL1
Clone:	GM-1D6
Isotype:	IgG1
Specificity:	GM1D6 recognises FPRL1 transiently expressed on the cell surface of transfected BOSC cells.
Purification:	Protein G

Target Details

Target:	FPR2
Alternative Name:	FPRL1 (FPR2 Products)
Background:	FPRL1 belongs to the large family of G-protein coupled receptors (GPCR). FPRL1 is expressed on neutrophils and it was shown that chemokines can be potent and specific ligands.

Target Details

Therefore, FPRL1 might have interesting functions in inflammatory pathways. GM1D6 was generated by genetic immunisation.

UniProt: [P25090](#)

Application Details

Application Notes: Flow cytometry: 1.2 µg/10⁶ cells
Immunofluorescence: 1 µg/10⁶ cells
CELISA: 1:200 - 1:400
For each application a titration should be performed to determine the optimal concentration.

Comment: Synonyms: FPR2

Restrictions: For Research Use only

Handling

Concentration: 2mg/ml

Buffer: PBS, pH 7.2

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C

Storage Comment: short term: 2 °C - 8 °C, long term: -20 °C

Publications

Product cited in: Zepp, Kovacheva, Altankhuyag, Westphal, Berger, Gather, Hilbig, Neuhaus, Hänsch, Armbruster, Berger: "IDK1 is a rat monoclonal antibody against hypoglycosylated bone sialoprotein with application as biomarker and therapeutic agent in breast cancer skeletal metastasis." in: **The journal of pathology. Clinical research**, Vol. 4, Issue 1, pp. 55-68, (2018) ([PubMed](#)).

Hoffmann, Feliciano, Martin, de Wild, Wendt: "Novel Perfused Compression Bioreactor System as an in vitro Model to Investigate Fracture Healing." in: **Frontiers in bioengineering and biotechnology**, Vol. 3, pp. 10, (2015) ([PubMed](#)).

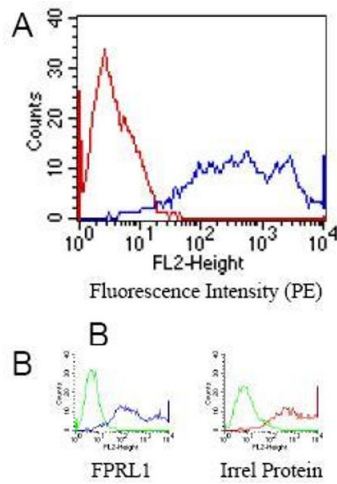
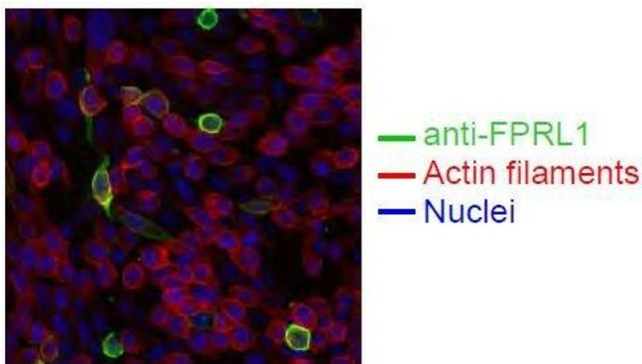
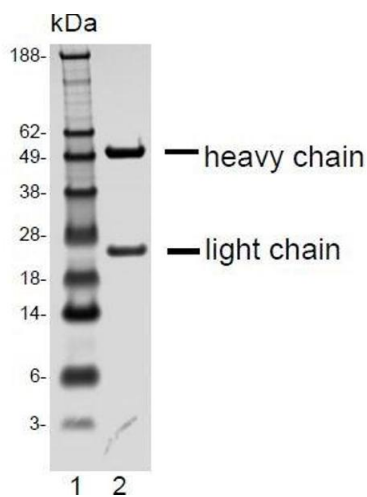


Image 1. Specificity testing of GM1D6. BOSC cells were transiently transfected with an expression vector for FPRL1 as well as an irrelevant protein. Expression of the constructs was tested with anti-tag monoclonal antibodies (B, blue and red curves). An irrelevant mo



Immunofluorescence

Image 2. Spectral Confocal Microscopy of CHO cells using GM1-D6. CHO cells were transiently transfected with an expression vector encoding FPRL1. Binding of D6 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).



SDS-PAGE

Image 3. SDS-PAGE analysis of purified D6 monoclonal antibody. Lane 1: molecular weight marker, Lane 2: 2 µg of purified D6 antibody. Proteins were separated by SDS-PAGE and stained with RAPID Stain™ Reagent.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN108736.