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Product Information

Recombinant Anti-Human epor Antibody Fab Fragment

Cat. No.: **MOM-18355-F(P)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody Fab Fragment is against Human EPOR, expressed in E. coli

Antigen Description

Receptor for erythropoietin. Mediates erythropoietin-induced erythroblast proliferation and differentiation. Upon EPO stimulation, EPOR dimerizes triggering the JAK2/STAT5 signaling cascade. In some cell types, can also activate STAT1 and STAT3. May also activate the LYN tyrosine kinase.Isoform EPOR-T acts as a dominant-negative receptor of EPOR-mediated signaling.

Specific Activity

Tested positive against native antigen.

Target

EPOR

Immunogen

Human recombinant EPO Receptor (extracellular domain)

Source

Mouse

Species Reactivity

Human

Type

Fab

Expression Host

E. coli

Purity

>95.0%. Determined by analysis by RP-HPLC & analysis by SDS-PAGE.

Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

Storage

Store at 4°C for up to 3 months. For longer term storage aliquot into small volumes and store at -20°C.

ANTIGEN GENE INFOMATION

Gene Name

EPOR erythropoietin receptor [Homo sapiens]

Official Symbol

EPOR

Synonyms

EPOR; erythropoietin receptor; EPO-R; MGC138358

Gene ID

2057

mRNA Refseq

NM_000121

Protein Refseq

NP_000112

MIM

133171

UniProt ID

P19235

Chromosome Location

19p13.3-p13.2

Pathway

Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; EPO Receptor Signaling, organism-specific biosystem; EPO signaling pathway, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem;

Function

erythropoietin receptor activity; identical protein binding; protein binding; receptor activity;

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