

Product Information

Recombinant Anti-Human il6r Antibody Fab Fragment

Cat. No.: **MOM-18580-F(P)**

This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody Fab Fragment is specific to Human IL6R, expressed in E. coli

Antigen Description

Part of the receptor for interleukin 6. Binds to IL6 with low affinity, but does not transduce a signal. Signal activation necessitate an association with IL6ST. Activation may lead to the regulation of the immune response, acute-phase reactions and hematopoiesis.

Specific Activity

Tested positive against native antigen.

Target

IL6R

Immunogen

IL6R (gp80) transfected CHO cell line.

Source

Mouse

Species Reactivity

Human

Type

Fab

Expression Host

E. coli

Purity

>95.0% as determined by analysis by RP-HPLC.

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 INFORMATION

Gene Name

[IL6R interleukin 6 receptor \[Homo sapiens \]](#)

Official Symbol

IL6R

Synonyms

IL6R; interleukin 6 receptor; interleukin-6 receptor subunit alpha; CD126; IL-6R 1; CD126 antigen; membrane glycoprotein 80; IL-6 receptor subunit alpha; gp80; IL6RA; IL-6RA; IL-6R-1; MGC104991;

Gene ID

[3570](#)

mRNA Refseq

[NM_000565](#)

Protein Refseq

[NP_000556](#)

MIM

[147880](#)

UniProt ID

P08887

Chromosome Location

1q21

Pathway

Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; IL-6 Signaling Pathway, organism-specific biosystem; IL6-mediated signaling events, organism-specific biosystem;

Function

ciliary neurotrophic factor binding; contributes_to ciliary neurotrophic factor receptor activity; enzyme binding; interleukin-6 binding; contributes_to interleukin-6 receptor activity; contributes_to interleukin-6 receptor binding; protein binding; protein homodimerization activity; receptor activity;