

Product Information

Recombinant Anti-Human klb Antibody scFv Fragment

Cat. No.: **MOM-18526-S(P)**

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

Product Overview

Recombinant Mouse Antibody scFv Fragment is directed against Human KLB, expressed in E. coli

Antigen Description

Contributes to the transcriptional repression of cholesterol 7-alpha-hydroxylase (CYP7A1), the rate-limiting enzyme in bile acid synthesis. Probably inactive as a glycosidase. Increases the ability of FGFR1 and FGFR4 to bind FGF21.

Specific Activity

Tested positive against native antigen.

Target

KLB

Source

Mouse

Species Reactivity

Human

Type

scFv

Expression Host

E. coli

Purity

Purity >95% by SDS-PAGE.

Applications

Suitable for use in ELISA, WB, Neut and most other immunological methods.

Storage

Store at -20°C for long-term storage. Store at 2-8°C for up to one month. Avoid freeze/thaw cycles.

ANTIGEN GENE INFORMATION

Gene Name

[KLB klotho beta \[Homo sapiens \]](#)

Official Symbol

KLB

Synonyms

KLB; klotho beta; beta-klotho; betaKlotho; klotho beta like; klotho beta-like protein; BKL; MGC142213

Gene ID

[152831](#)

mRNA Refseq

[NM_175737](#)

Protein Refseq

[NP_783864](#)

MIM

[611135](#)

UniProt ID

Q86Z14

Chromosome Location

4p14

Pathway

Downstream signaling of activated FGFR, organism-specific biosystem; FGF signaling pathway, organism-specific biosystem; FGFR ligand binding and activation, organism-specific biosystem; FRS2-mediated cascade, organism-specific biosystem; IRS-mediated signalling, organism-specific biosystem; IRS-related events, organism-specific biosystem; Insulin receptor signalling cascade, organism-specific biosystem;

Function

catalytic activity; cation binding; fibroblast growth factor binding; hydrolase activity, hydrolyzing O-glycosyl compounds;