

Anti-KL Neutralizing Antibody (V3S-0822-YC2001)

Cat. No.: V3S-0822-YC2001

Summary

Description

This product is a rat monoclonal antibody provided by Creative Biolabs. The antibody is capable of recognizing Klotho. It can be used for KL detection in Neutralization Assay (Neut). The antibody is expressed in mammalian cells (293F or CHO) with antibody encoding genes and purified by affinity chromatography. Each lot of this antibody is quality control tested by SDS-PAGE and SEC-HPLC analysis. For highly sensitive assays, we recommend the ultra purified form of the product, which has a lower endotoxin limit than standard antibody, less than 1 EU/mg or even 0.1 EU/mg.

Clonality

Monoclonal

Host Species

Rat

Target Species

Human

Immunogen

Recombinant human Klotho

Isotype

IgG2b

Isotype Control

C45774

Secondary Antibody

C40224; C74571; C22227; C56421; C47763; C63764; C56110

Property

Conjugation

Unconjugated

Purity

>95%, determined by SDS-PAGE

Purification

Protein A or G purified

Storage

Store at 4°C within one or two weeks. Store at -20°C for long term. Avoid repeated freeze/thaw cycles. Refer to the COA file for specifics.

Applications

Application

Neut

Target

For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

Target	KL
Alternative Name	KL; Klotho; KL; Klotho
Gene ID	9365
UniProt	Q9UEF7
Introduction	KL is a type-I membrane protein that is related to beta-glucosidases. Reduced production of this protein has been observed in patients with chronic renal failure (CRF), and this may be one of the factors underlying the degenerative processes (e.g., arteriosclerosis, osteoporosis, and skin atrophy) seen in CRF. Also, mutations within this protein have been associated with ageing and bone loss.
Research Area	Signal Pathway; Developmental Biology

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