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Product Information

Recombinant Anti-Human AOC3 Antibody scFv Fragment

Cat. No.: **MOM-18137-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 AOC3, expressed in E. coli

Antigen Description

Copper amine oxidases catalyze the oxidative conversion of amines to aldehydes in the presence of copper and quinone cofactor. The product is a major protein on the adipocyte plasma membrane. It has adhesive properties and also has functional monoamine oxidase activity. A pseudogene for this gene has been discribed and is located approximately 9-kb downstream.

Specific Activity

Tested positive against native antigen.

Target

AOC3

Immunogen

Purified vessels from human peripheral lymph nodes.

Source

Mouse

Species Reactivity

Human

Type

scFv Fragment from Mouse IgM

Expression Host

E. coli

Purity

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

Applications

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

Storage

Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze/thaw cycles.

ANTIGEN GENE INFOMATION

Gene Name

AOC3 amine oxidase, copper containing 3 (vascular adhesion protein 1) [Homo sapiens]

Official Symbol

AOC3

Synonyms

AOC3; amine oxidase, copper containing 3 (vascular adhesion protein 1); membrane primary amine oxidase; HPAO; VAP 1; VAP1; copper amine oxidase; vascular adhesion protein 1; semicarbazide-sensitive amine oxidase; SSAO; VAP-1;

Gene ID

8639

mRNA Refseq

NM_003734

Protein Refseq

NP_003725

MIM

603735

UniProt ID

Q16853

Chromosome Location

17q21

Pathway

Glycine, serine and threonine metabolism, organism-specific biosystem; Glycine, serine and threonine metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Phenylalanine metabolism, organism-specific biosystem; Phenylalanine metabolism, conserved biosystem; Tyrosine metabolism, organism-specific biosystem; Tyrosine metabolism, conserved biosystem;

Function

aliphatic-amine oxidase activity; aminoacetone:oxygen oxidoreductase(deaminating) activity; calcium ion binding; cation channel activity; copper ion binding; copper ion binding; oxidoreductase activity; phenethylamine:oxygen oxidoreductase (deaminating) activity; primary amine oxidase activity; protein homodimerization activity; quinone binding; tryptamine:oxygen oxidoreductase (deaminating) activity;

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