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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



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Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SCD monoclonal antibody (M02), clone 1B7

Catalog # : H00006319-M02

規格 : [50 ug]

[List All](#)

Specification

Product Description: Mouse monoclonal antibody raised against a partial recombinant SCD.

Immunogen: SCD (NP_005054.3, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

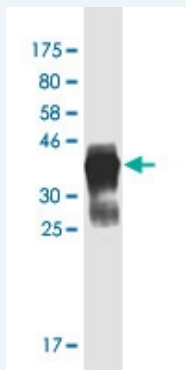
Sequence: MPAHLLQDDISSSYTTTTTITAPPSRVLQNGGDKLETMPLYLEDDIRPDIK
DDIYDPTYKDKKEGSPKVEYVWRNIILMSLLHLGALYGITLIPTCKFYT

Host: Mouse

Reactivity: Human

Isotype: IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.63 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

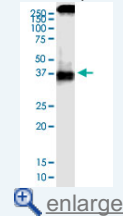
Datasheet: [Download](#)

Applications

Western Blot (Cell lysate)

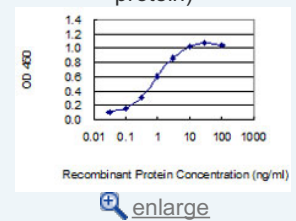
Application Image

Western Blot (Cell lysate)

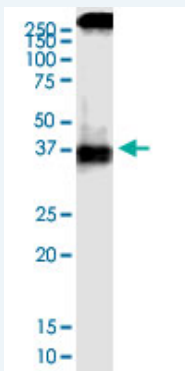


Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)



ELISA



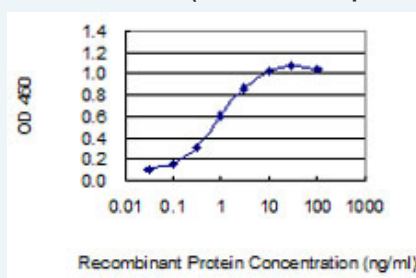
SCD monoclonal antibody (M02), clone 1B7. Western Blot analysis of SCD expression in MCF-7.

[Protocol Download](#)

Western Blot (Recombinant protein)

[Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged SCD is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [6319](#)

GeneBank [NM_005063.4](#)

Accession#:

Protein [NP_005054.3](#)

Accession#:

Gene Name: SCD

Gene Alias: FADS5, MSTP008, SCD1

Gene Description: stearoyl-CoA desaturase (delta-9-desaturase)

Description:

Omim ID: [604031](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Stearoyl-CoA desaturase (SCD; EC 1.14.99.5) is an iron-containing enzyme that catalyzes a rate-limiting step in the synthesis of unsaturated fatty acids. The principal product of SCD is oleic acid, which is formed by desaturation of stearic acid. The ratio of stearic acid to oleic acid has been implicated in the regulation of cell growth and differentiation through effects on cell membrane fluidity and signal transduction. Four SCD isoforms, Scd1 through Scd4, have been identified in mouse. In contrast, only 2 SCD isoforms, SCD1 and SCD5 (MIM 608370), have been identified in human. SCD1 shares about 85% amino acid identity with all 4 mouse SCD isoforms, as well as with rat

Scd1 and Scd2. In contrast, SCD5 shares limited homology with the rodent SCDs and appears to be unique to primates (Zhang et al. (1999) [PubMed 10229681]; Wang et al., 2005 [PubMed 15907797]).[supplied by OMIM

Other Designations: OTTHUMP00000020279,acyl-CoA desaturase,delta-9-desaturase,fatty acid desaturase,predicted protein of HQ0998,stearyl-CoA desaturase

Gene Pathway

[Biosynthesis of unsaturated fatty acids](#) [PPAR signaling pathway](#)

Related Disease

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