



Endothelial Lipase (EL)

Catalog number

E3010-36A

Supplier

United States Biological

Endothelial lipase (EL) is a novel member of the lipoprotein lipase gene family. It is synthesized by endothelial cells and functions at the site of synthesis. EL most likely plays a physiological role in modulating lipoprotein metabolism. Overexpressed EL has been shown to reduce HDL cholesterol levels, whereas an EL deficiency appears to be effective in elevating HDL cholesterol levels in animals.

Applications

Suitable for use in Western Blot. Other applications not tested.

Recommended Dilution

Western Blot: 1:500. Recognizes a band at ~57kD, representing the mature, non-glycosylated form of endothelial lipase protein. Another band is seen at ~45kD, representing the proteolytic form of the protein. Optimal dilutions to be determined by the researcher.

Storage and Stability

May be stored at 4°C for short-term only. For long-term storage and to avoid repeated freezing and thawing, aliquot Store at -20°C. Aliquots are stable for at least 12 months at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

Immunogen

An N-terminal synthetic peptide made to the human endothelial lipase protein sequence.

Formulation

Supplied as a liquid (antiserum)

Purity

Serum

Specificity

Recognizes human endothelial lipase. Does not appear to recognize murine endothelial lipase.

Product Type

Pab

Source

human

Isotype



IgG

Grade

Serum

Applications

WB

Crossreactivity

Hu

Storage

-20°C