fetuin-A (m2): 293T Lysate: sc-120238



The Power to Overtin

BACKGROUND

Fetuin (also designated α -2- ζ -globulin or α -2-HS-glycoprotein) is a secreted plasma protein that is expressed in hepatocytes, monocyte/macrophages and in bone and is downregulated during injury and inflammation. Fetuin preferentially binds to and carries calcium and barium ions in the blood, where it is thought to mediate serum calcium homeostasis and mineralization, and to potentially participate in the transport of bioactive molecules. Additionally, fetuin has been shown to function as an acute phase antiinflammatory mediator that is critical to regulating the innate immune response following tissue injury. During inflammation, circulating fetuin levels substantially decrease as fetuin becomes associated with the membranes of macrophages. This membrane associated form of fetuin acts as an opsonic participant by potentiating the entry of cationic small molecules into the activated macrophage, which in turn facilitates macrophage-deactivating mechanisms. Biologically active fetuin is derived from a precursor protein that is cleaved at the amino-terminus to generate two chains held together by a single disulfide bond.

REFERENCES

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- 6. Wang, H., et al. 1998. Fetuin (α -HS-glycoprotein) opsonizes cationic macrophagedeactivating molecules. Proc. Natl. Acad. Sci. USA 95: 14429-14434.
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CHROMOSOMAL LOCATION

Genetic locus: Ahsg (mouse) mapping to 16 B1.

PRODUCT

feutin-A (m2): 293T Lysate represents a lysate of mouse feutin-A transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

APPLICATIONS

feutin-A (m2): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive feutin-A antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.

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