

FucT-VIII (m): 293T Lysate: sc-120336

BACKGROUND

Fucosyltransferases catalyze the covalent association of fucose to different positional linkages in sugar acceptor molecules. The carbohydrate moieties generated and covalently attached to cell surfaces are necessary to ensure a surface contour that satisfies physiological roles, which are reliant on adhesion molecules such as Selectins. Hematopoietic lineages rely on Fucosyltransferases to confer a surface carbohydrate phenotype, which mediates proper cell adhesion molecule recruitment and cell trafficking. α -(1,6)-fucosyltransferase or Fucosyltransferase 8 (FucT-VIII) catalyzes the addition of fucose in α 1-6 linkage to the innermost GlcNAc residue of an N-linked oligosaccharide.

REFERENCES

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4. Takahashi, T., Ikeda, Y., Tateishi, A., Yamaguchi, Y., Ishikawa, M. and Taniguchi, N. 2000. A sequence motif involved in the donor substrate binding by α 1,6-fucosyltransferase: the role of the conserved arginine residues. *Glycobiology* 10: 503-510.
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CHROMOSOMAL LOCATION

Genetic locus: Fut8 (mouse) mapping to 12 C3.

PRODUCT

FucT-VIII (m): 293T Lysate represents a lysate of mouse FucT-VIII transfected 293T cells and is provided as 100 μ g protein in 200 μ l 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.

PROTOCOLS

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

APPLICATIONS

FucT-VIII (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive FucT-VIII antibodies. Recommended use: 10-20 μ l per lane.

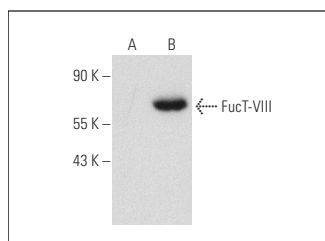
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

FucT-VIII (B-10): sc-271244 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse FucT-VIII expression in FucT-VIII transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-IgG κ BP-HRP: sc-516102 or m-IgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



FucT-VIII (B-10): sc-271244. Western blot analysis of FucT-VIII expression in non-transfected: sc-117752 (A) and mouse FucT-VIII transfected: sc-120336 (B) 293T whole cell lysates.

RESEARCH USE

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