TNFβ (h2): 293T Lysate: sc-159758



The Boures to Overtion

BACKGROUND

Tumor necrosis factor β (TNF β), also known as lymphotoxin, is a pleiotropic cytokine. TNF α , also known as cachectin, is a smaller cytokine that binds to the same receptors producing a vast array of effects similar to those of TNF β . TNF β and TNF α share 30% amino acid homology and have similar biological activities. TNF β is produced by activated lymphocytes, including CD $^{4+}$ T helper cell type 1 lymphocytes, CD $^{8+}$ lymphocytes and certain B lymphoblastoid cell lines. TNF α is produced by several different cell types, which include lymphocytes, neutrophils and macrophages. TNF α and TNF β can modulate many immune and inflammatory functions, while having the ability to inhibit tumor growth. Target tumor cells must express TNF receptors 1 and 2 to be killed, with the p55 receptor mediating the cytotoxic response.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: LTA (human) mapping to 6p21.33.

PRODUCT

TNF β (h): 293T Lysate represents a lysate of human TNF β 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.

APPLICATIONS

TNF β (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive TNF β antibodies. Recommended use: 10-20 μ l per lane.

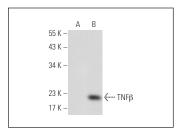
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

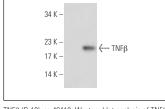
TNF β (E-6): sc-28345. is recommended as a positive control antibody for Western Blot analysis of enhanced human TNF β expression in TNF β transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

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

DATA





TNF β (E-6): sc-28345. Western blot analysis of TNF β expression in non-transfected: sc-117752 (**A**) and human TNF β transfected: sc-159758 (**B**) 293T whole

TNF β (D-10): sc-48410. Western blot analysis of TNF β expression in non-transfected: sc-117752 (**A**) and human TNF β transfected: sc-159758 (**B**) 293T whole call heater

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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