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CD88 (h2): 293T Lysate: sc-175354

BACKGROUND

CD88, also known as C5a receptor (C5aR), is a G protein-coupled integral membrane protein. CD88, which is expressed on neutrophils, monocytes, macrophages, hepatocytes and mast cells, as well as on various epithelial and endothelial cells, serves as a receptor for the inflammatory peptide C5a. Research studies suggest a role for CD88 in the inflammatory response. The binding of C5a to CD88 has been shown to elicit increased production of acute phase proteins in liver. In brain, an increased production of CD88 has been shown to be associated with inflammation. Research also indicates a role for C5a/C5aR in the pathogenesis of rheumatoid arthritis, as well as a heightened responsiveness of human bronchial epithelial cells (HBECs) to C5a upon exposure of these cells to cigarette smoke and other environmental irritants.

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CHROMOSOMAL LOCATION

Genetic locus: C5AR1 (human) mapping to 19q13.32.

PRODUCT

CD88 (h2): 293T Lysate represents a lysate of human CD88 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

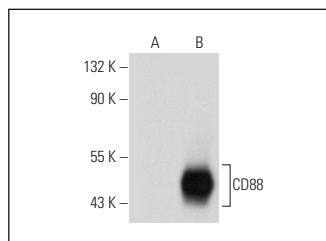
APPLICATIONS

CD88 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive CD88 antibodies. Recommended use: 10-20 µl per lane.

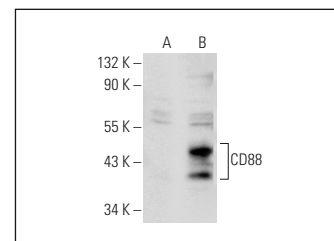
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

CD88 (8D6): sc-53788 is recommended as a positive control antibody for Western Blot analysis of enhanced human CD88 expression in CD88 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

DATA



CD88 (8D6): sc-53788. Western blot analysis of CD88 expression in non-transfected: sc-117752 (A) and human CD88 transfected: sc-175354 (B) 293T whole cell lysates.



CD88 (3H1740): sc-70813. Western blot analysis of CD88 expression in non-transfected: sc-117752 (A) and human CD88 transfected: sc-175354 (B) 293T whole cell lysates.

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.

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.