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CD32 (h4): 293T Lysate: sc-174834

BACKGROUND

CD32 (also designated Fc γ RII) is a low affinity receptor for the Fc fragment of aggregated IgG. CD32 is responsible for the clearance of immunocomplexes by macrophages and also plays an important role in the regulation of antibody production by B cells. IgG can noncooperatively bind either one or two highly glycosylated CD32 molecules and this binding delivers a negative signal for B cells. CD32 exists as several isoforms that are produced by alternative splicing of three distinct genes, A, B and C. These isoforms are designated Fc γ RIIA, Fc γ RIIIB1, Fc γ RIIIB3 and Fc γ RIIIC. All isoforms are present on monocytes, placental trophoblasts and endothelial cells. In addition, the Fc γ RIIIB forms are present on B lymphocytes, and the Fc γ RIIIA and Fc γ RIIIC forms are found on neutrophils.

REFERENCES

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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.

CHROMOSOMAL LOCATION

Genetic locus: FCGR2A/FCGR2B/FCGR2C (human) mapping to 1q23.3.

PRODUCT

CD32 (h4): 293T Lysate represents a lysate of human CD32 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

CD32 (h4): 293T Lysate is suitable as a Western Blotting positive control for human reactive CD32 antibodies.

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.