SANTA CRUZ BIOTECHNOLOGY, INC.

CD46 (35-328): sc-4530 WB

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

CD46, also called membrane cofactor protein (MCP), is a 56-66 kDa transmembrane glycoprotein that exists as a non-disulfide-linked dimer. CD46 regulates the complement cascade by inhibiting C3b and C4b deposited on self tissue. CD46 is a cofactor that binds to C3b and C4b, allowing their degradation by a plasma serine protease called factor. This function resides in the complement control protein repeats (CCPs), with CCPs 2-4 essential for regulation. CD46 is widely distributed on thymocytes, T cells, B cells, monocytes, granulocytes, NK cells, platelets, endothelial cells, epithelial cells, fibroblasts, placenta and sperm, but not on erythrocytes. CD46 is the major high affinity receptor for measles virus and human herpes virus. Mouse cells ubiquitously express CRRY, which is a functional orthologue of human decay-accelerating factor (DAF; CD55) and membrane cofactor protein (MCP; CD46).

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SOURCE

CD46 (35-328) is expressed in *E. coli* as a 60 kDa tagged fusion protein corresponding to amino acids 35-328 of CD46 of human origin.

PRODUCT

CD46 (35-328) is purified from bacterial lysates (>98%) by glutathione agarose affinity chromatography; supplied as 10 µg in 0.1 ml SDS-PAGE loading buffer.

APPLICATIONS

CD46 (35-328) is suitable as a Western blotting control for sc-7056 and sc-9098.

STORAGE

Store at -20° C; stable for one year from the date of shipment.

RESEARCH USE

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