SANTA CRUZ BIOTECHNOLOGY, INC.

CD98 (230-529): sc-4371 WB



BACKGROUND

CD98 (4F2, CD98, MDU1, 4F2HC, 4T2HC, NACAE) is a 120-125 kDa disulfidelinked heterodimer composed of an 80 kDa glycosylated heavy chain and a 40 kDa non-glycosylated light chain. CD98 is a scaffolding protein that interacts with basolaterally expressed amino acid transporters and $\beta 1$ integrins and can alter amino acid transport and cell adhesion, migration and branching morphogenesis. The heavy chain is a type II integral membrane protein. CD98 is expressed on T cells and is upregulated upon T cell activation. CD98 is also present on monocytes and at lower levels on granulocytes, platelets and lymphocytes. Evidence suggests that CD98 may play a role in the regulation of T cell activation and proliferation. Alternate transcriptional splice variants, encoding different isoforms exist for the human CD98 gene.

REFERENCES

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SOURCE

CD98 (230-529) is expressed in E. coli as a 60 kDa tagged fusion protein corresponding to amino acids 230-529 of CD98 of human origin.

PRODUCT

CD98 (230-529) is purified from bacterial lysates (>98%) by column chromatography; supplied as 10 µg protein in 0.1 ml SDS-PAGE loading buffer.

APPLICATIONS

CD98 (230-529) is suitable as a Western blotting control for sc-7095 and sc-9160.

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.