



CD81 (90-210): sc-4302 WB

BACKGROUND

CD81 (S5.7, 26 kDa cell surface protein TAPA-1, Tetraspanin-28, TSPAN28) is a cell surface glycoprotein that is known to complex with integrins during the promotion of muscle cell fusion and myotube maintenance. CD81 is a 22-26 kDa protein that is broadly expressed on cells of hematopoietic, neuroectodermal and mesenchymal origin. CD81 can be present as a multimolecular complex in association with CD37 and/or CD53, or on the surface of B cells in association with CD19, CD21, and/or MHC class II antigens. CD81 functions as a post-attachment entry coreceptor with other cellular factors, and can mediate hepatitis C virus binding and entry into hepatocytes. CD81 colocalizes at the central zone of the supramolecular activation complex in both T lymphocytes and antigen presenting cells, suggesting a role for CD81 during antigen presentation.

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SOURCE

CD81 (90-210) is expressed in *E. coli* as a 40 kDa tagged fusion protein corresponding to amino acids 90-210 of CD81 of human origin.

PRODUCT

CD81 (90-210) is purified from bacterial lysates (>98%) by glutathione agarose affinity chromatography; supplied as 10 μ g in 0.1 ml SDS-PAGE loading buffer.

APPLICATIONS

CD81 (90-210) is suitable as a Western blotting control for sc-7102 and sc-9158.

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.