

Datasheet for ABIN1112258  
**CD81 (human): 293T Lysate**



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1 Image

6 Publications

Overview

Quantity:	100 µg
Target:	CD81
Species of Lysate:	Human Cells
Application:	Western Blotting (WB)

Product Details

**Characteristics:** The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell- surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. The tetraspanin family includes CD9, CD37, CD53, CD63, CD81 (this protein), CD82 and CD151. CD81 interacts directly with immunoglobulin superfamily member 8 (IGSF8, CD316) and CD36. It forms a signal transduction complex with CD19, CD21 and Leu-13 (CD225) on the surface of the B cell. On T cells CD81 associates with CD4 and CD8 and provides a costimulatory signal with CD3. This protein plays a critical role in Hepatitis C attachment and/or cell entry by interacting with virus' E1/E2 µglycoproteins heterodimer. It also appears to play a role in liver invasion by Plasmodium species. The HIV Gag proteins bind this protein on the cell surface. Lysate of human CD61 transfected 293T cells

Lysate Fraction: Whole Cell Lysate

## Product Details

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Lysate Type: Overexpression Lysate

Lysed Cells: HEK 293T Cells

## Target Details

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Target: CD81

Alternative Name: CD81 ([CD81 Products](#))

## Application Details

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Application Notes: CD81 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive CD81 antibodies. Recommended use: 10-20 µl per lane. Control 293T Lysate: 293LYS is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Restrictions: For Research Use only

## Handling

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Handling Advice: Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

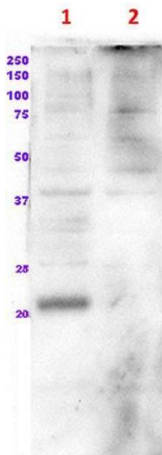
Storage: -20 °C

## Publications

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Product cited in: Whiteland, Nicholls, Shimeld, Easty, Williams, Hill: "Immunohistochemical detection of T-cell subsets and other leukocytes in paraffin-embedded rat and mouse tissues with monoclonal antibodies." in: **The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society**, Vol. 43, Issue 3, pp. 313-20, (1995) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



Western blot analysis of CD81 expression in human CD81 transfected: H81LYS (1) and non-transfected: 293LYS (2) 293T whole cell lysates.

1. H81LYS Sample 20  $\mu$ l
2. 293LYS Sample 20  $\mu$ l

**Image 1.**