

Datasheet for ABIN1112258
CD81 (human): 293T Lysate



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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

Lysate Type: Overexpression Lysate

Lysed Cells: HEK 293T Cells

Target Details

Target: CD81

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

Application Details

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

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

Product cited in: Park, Tait, Kawasaki, Rowley, Mackay: "Closer association of IA-2 humoral autoreactivity with HLA DR3/4 than DQB1*0201/*0302 in Korean T1D patients." in: **Annals of the New York Academy of Sciences**, Vol. 1037, pp. 104-9, (2005) ([PubMed](#)).

Iwama, Ikezaki, Kikuoka, Kim, Matsuoka, Yanagawa, Sato, Hoshi, Sakamaki, Sugihara: "Association of HLA-DR, -DQ genotype and CTLA-4 gene polymorphism with Graves' disease in Japanese children." in: **Hormone research**, Vol. 63, Issue 2, pp. 55-60, (2005) ([PubMed](#)).

Arnold, Pei, Spriewald, Wassmuth: "Anti-HLA class II antibodies in kidney retransplant patients." in: **Tissue antigens**, Vol. 65, Issue 4, pp. 370-8, (2005) ([PubMed](#)).

Spriewald, Witzke, Wassmuth, Wenzel, Arnold, Philipp, Kalden: "Distinct tumour necrosis factor alpha, interferon gamma, interleukin 10, and cytotoxic T cell antigen 4 gene polymorphisms in disease occurrence and end stage renal disease in Wegener's granulomatosis." in: **Annals of**

the rheumatic diseases, Vol. 64, Issue 3, pp. 457-61, (2005) ([PubMed](#)).

Voorter, de Groot, Meertens, Bontrop, van den Berg-Loonen: "Allelic polymorphism in introns 1 and 2 of the HLA-DQA1 gene." in: **Tissue antigens**, Vol. 65, Issue 1, pp. 56-66, (2005) ([PubMed](#)).

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

Images

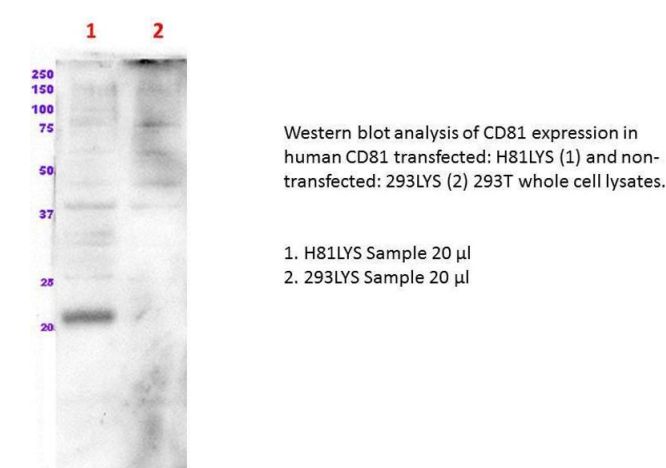


Image 1.