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Datasheet for ABIN1112256
CD177 (human): 293T Lysate

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Overview

Quantity:	100 µg
Target:	CD177
Species of Lysate:	Human Cells
Application:	Western Blotting (WB)

Product Details

Characteristics: CD177 is an important neutrophil gene that encodes the neutrophil membrane glycoprotein (gp) NB1. NB1 gp has been studied for more than 20 years and during that time several different names have been used to describe this gp, its antigens, and the gene that encodes this molecule. NB1 was first described by Lalezari and colleagues while investigating a case of neonatal alloimmune neutropenia. Occasionally, during pregnancy, a mother produces alloantibodies to neutrophil antigens that cross the placenta, react with neutrophils in the fetus, and cause the neonate to become neutropenic. One antigen recognized by such antibodies was described as \\\

Lysate Fraction:	Whole Cell Lysate
Lysate Type:	Overexpression Lysate
Lysed Cells:	HEK 293T Cells

Target Details

Target:	CD177
Alternative Name:	CD177 (CD177 Products)

Application Details

Application Notes: CD177 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive CD177 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: Gaylord, Dinh, Goldman, Anderson, Ngan, Walt: "Ultrasensitive Detection of Ricin Toxin in Multiple Sample Matrixes Using Single-Domain Antibodies." in: **Analytical chemistry**, Vol. 87, Issue 13, pp. 6570-7, (2015) ([PubMed](#)).

Walper, Liu, Zabetakis, Anderson, Goldman: "Development and evaluation of single domain antibodies for vaccinia and the L1 antigen." in: **PLoS ONE**, Vol. 9, Issue 9, pp. e106263, (2014) ([PubMed](#)).

Davani, Pancer, Ratcliffe: "Ligation of surface Ig by gut-derived antigen positively selects chicken bursal and peripheral B cells." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 192, Issue 7, pp. 3218-27, (2014) ([PubMed](#)).

Garabatos, Alvarez, Carrillo, Carrascal, Izquierdo, Chapman, Presa, Mora, Serreze, Verdaguer, Stratmann: "In vivo detection of peripherin-specific autoreactive B cells during type 1 diabetes pathogenesis." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 192, Issue 7, pp. 3080-90, (2014) ([PubMed](#)).

Control 293T Lysate; 293LYS

Western blot analysis of CD177 expression in human CD177 transfected: H177LYS (2, 3) and non-transfected: 293LYS (1) 293T whole cell lysates.



1. 293LYS Sample 10 µl
2. H177LYS Sample 10 µl
3. H177LYS Sample 20 µl

1. H86LYS Sample 10 µl
2. H86LYS Sample 15 µl
3. H86LYS Sample 20 µl
4. 293LYS Sample

Image 1.