

Datasheet for ABIN2192060

anti-CD96 antibody**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD96
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD96 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Functional Studies (Func)

Product Details

Clone:	NK92-39
Sterility:	0.2 µm filtered

Target Details

Target:	CD96
Alternative Name:	CD96 (CD96 Products)

Background: The monoclonal antibody NK92.39 reacts with CD96, also known as T cell-Activated Increased Late Expression (Tactile). CD96 promotes natural killer (NK) cell adhesion to target cells expressing the poliovirus receptor (PVR/CD155). Furthermore, CD96 stimulates cytotoxicity of activated NK cells, and mediates acquisition of PVR from target cells. NK cells have due to the receptor CD96 a dual receptor system that recognizes nectins and nectin-like molecules on target cells. This mediates NK cell adhesion and triggering of effector functions. As PVR is

Target Details

highly expressed in certain tumors, this receptor system may be critical for NK cell recognition of tumors. The monoclonal antibody NK92.39 blocks binding of soluble poliovirus receptor (PVR) to NK92 cells.

Application Details

Application Notes: For flow cytometry dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50. For functional studies in vitro dilutions have to be made according to the amounts of CD96 to be inactivated.

Restrictions: For Research Use only

Handling

Buffer: PBS, containing 0.1 % bovine serum albumin.

Storage: 4 °C

Storage Comment: Product should be stored at 4 °C. Under recommended storage conditions, product is stable for one year.

Expiry Date: 12 months

Publications

Product cited in: Vetrano, Rescigno, Cera, Correale, Rumio, Doni, Fantini, Sturm, Borroni, Repici, Locati, Malesci, Dejana, Danese: "Unique role of junctional adhesion molecule-a in maintaining mucosal homeostasis in inflammatory bowel disease." in: **Gastroenterology**, Vol. 135, Issue 1, pp. 173-84, (2008) ([PubMed](#)).

Luo, Zhuo, Fukuhara, Rizzolo: "Effects of culture conditions on heterogeneity and the apical junctional complex of the ARPE-19 cell line." in: **Investigative ophthalmology & visual science**, Vol. 47, Issue 8, pp. 3644-55, (2006) ([PubMed](#)).

Faure, Cerini, Paul, Berland, Dignat-George, Brunet: "The uremic solute p-cresol decreases leukocyte transendothelial migration in vitro." in: **International immunology**, Vol. 18, Issue 10, pp. 1453-9, (2006) ([PubMed](#)).

Bazzoni, Martinez-Estrada, Orsenigo, Cordenonsi, Citi, Dejana: "Interaction of junctional

adhesion molecule with the tight junction components ZO-1, cingulin, and occludin." in: **The Journal of biological chemistry**, Vol. 275, Issue 27, pp. 20520-6, (2000) ([PubMed](#)).