CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	CD96, Human, clone NK92.39		
Catalog number	HM2210-20UG		
Lot number	-	**Expiry date**	-
Volume	200 µl	**Amount**	20 µg
Formulation	0.2 µm filtered in PBS+0.1%BSA	**Concentration**	100 µg/ml
Host Species	Mouse IgG1	**Conjugate**	None
Endotoxin	<24 EU/mg	**Purification**	Protein G
Storage	4°C		

Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes				•	•			
No								
N.D.	•	•	•			•	•	•

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot

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.

- FS: For functional studies in vitro dilutions have to be made according to the amounts of CD96 to be inactivated.

General Information

Description

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 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.

References

1. Fuchs, A et al; Cutting edge: CD96 (Tactile) promotes NK cell-target cell adhesion by interacting with the poliovirus receptor (CD155). J Immunol 2004, *172*: 3994

Storage&stability

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

Precautions

For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC
Brenda Teunissen

Date
02/12/2020

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.