

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	Nectin-2, Human, clone TX31		
Catalog number	HM2393-20UG		
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 #					1			
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.

- W: the antibody can be used for reduced and non-reduced samples. The expected band size is 48 kDa.
- FS: anti-CD112 mAb partially inhibited CD226-Fc binding to the CD112 transfectant. It is of note that anti-CD155 and anti-CD112 (TX-31) mAb partially, rather than completely, inhibited the cytotoxicity, probably because these mAb incompletely blocked interaction of CD226 with the ligands (Ref. 1).

General Information

Description	Monoclonal antibody clone Tx31 recognizes human Nectin-2. Nectin-2 was initially discovered as a poliovirus receptor-related protein (PRR2). Nectins are immunoglobulin-like transmembrane cell adhesion molecules expressed in various cell types. The nectin family consist of 4 members. Nectin-1/2/3 are expressed in cells like fibroblast, epithelial cells and neurons. Nectin-2 is also expressed in hematopoietic cells and spermatids. Nectins, which are ca ²⁺ -independent immunoglobulin like molecules, regulate cell-cell adhesions. They are involved in different type of disease like viral infection, autism, Alzheimer and cancer. Nectin-2 is believed to form homodimers or heterodimers in their function for cell adhesion. It forms an immune costimulatory function together with DNAM-1 thereby regulating both NK and CTL function.		
Immunogen	Recombinant protein		
Aliases	CD112, Herpes virus entry mediator B, Herpesvirus entry mediator B, HveB, Nectin cell adhesion molecule 2, Poliovirus receptor-related protein 2.		
Gene	Gene name: NECTIN2	Entrez ID: 5819	Uniprot: Q96692
References	1. Tahara-Hanaoka, S et al; Functional characterization of DNAM-1 (CD226) interaction with its ligands PVR (CD155) and nectin-2 (PRR-2/CD112). Jap Soc Immunol 2004, 16:533		
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
11/01/2021

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