

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	TLR10, Human, clone 3C10C5	Expiry date	-
Catalog number	HM2302-20UG		
Lot number	-	Amount	20 µg
Volume	200 µl	Concentration	100 µg/ml
Formulation	0.2 µm filtered in PBS+0.1%BSA+0.02%NaN3	Conjugate	None
Host Species	Mouse IgG1	Purification	Protein G
Endotoxin	N.A.		
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.

- FC: 3C10C5 stains the extracellular domain of human TLR10.

General Information

Description	The monoclonal antibody 3C10C5 reacts with human TLR-10, which is a type I transmembrane glycoprotein that consist of an extracellular domain, a single transmembrane segment and a cytoplasmic Toll/interleukin (IL)-1 receptor domain and has an apparent molecular mass of approximately 94kDa. In total humans possess 10 TLR family members (1–10). The TLR 10, 1, and 6 genes are tandemly arranged and seem to have arisen from duplication events. In accordance with their role in host defense, monocytes/macrophages express most TLRs, whereas the expression of individual TLRs in dendritic cells depends upon their subtype. The microbial agonists for TLRs include a wide variety of structures such as nucleic acids from bacteria and viruses, as well as outer membrane components of bacteria, fungi, and protozoan organisms. Despite extensive research on the TLRs, human TLR10 has remained an orphan receptor without a known agonist or function. Although recent studies have shown that the putative ligands include di- and triacetylated lipopeptides as can be found in bacteria. Variations in the TLR10 gene have been associated with several diseases such as papillary thyroid carcinoma, urothelial bladder cancer, and Crohn's disease. The monoclonal antibody 3C10C5 is suitable for immunoassay and flow cytometry.
Immunogen	The extracellular domain of TLR10.
Aliases	CD290
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
28/12/2020

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