

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	C3aR, Human, clone 17 (hC3aRZ8)	Expiry date	-
Catalog number	HM2195-20UG		
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 IgG2b	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.

- FS: The antibody 17 (hC3aRZ8) does not block binding of ligand to C3aR.

General Information

Description	The monoclonal antibody 17 reacts with the human receptor for C3a. The monoclonal antibody 17 is in the literature also referred to as clone hC3aRZ8. In the course of complement activation the C3a receptor functions as the cell surface receptor for the anaphylatoxin C3a, the C-terminal 77 amino acid cleavage product of the alpha chain of C3, but not for C3a-desArg. All cellular responses to C3a are specifically mediated by interactions with the membrane bound C3a receptor, a seven transmembrane GTP-binding-protein-coupled receptor that belongs to the rhodopsin supergene family. The 54 kDa C3a receptor is widely distributed in, myeloid cells, peripheral tissues and the central nervous system. Expression of C3aR has been demonstrated on neutrophils, monocytes, eosinophils, astrocytes, neurons and glial cells and is increased in inflammatory conditions. No C3aR expression was detectable on lymphocytes and on tonsillar B cells even after stimulation.
Aliases	C3a Receptor
References	1. Luhmann, A et al; Immunohistochemical analysis of human and rat C3a receptor expression by the use of monoclonal antibodies. Mol Immunol 2001, 38: 108
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
14/07/2021

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