

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	C5aR, Mouse, clone 10/92		
Catalog number	HM1077-100UG		
Lot number	-	Expiry date	-
Volume	1 ml	Amount	100 µg
Formulation	0.2 µm filtered in PBS+0.1%BSA+0.02%NaN3	Concentration	100 µg/ml
Host Species	Rat IgG2a	Conjugate	None
Endotoxin	N.A.	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.

General Information

Description	The monoclonal antibody 10/92 recognizes the mouse receptor C5a (C5aR, CD88). The mouse anaphylatoxin C5a is a 74-residu glycopolypeptide which is generated by proteolytic cleavage of the complement factor C5 in the course of complement activation. A variety of biological effects evoked by C5a could be demonstrated, rendering this molecule an important mediator of inflammation, with granulocytes and macrophages as the main target cells. All cellular responses to C5a are specifically mediated by interactions with the membrane bound C5a receptor, a seven transmembrane GTP-binding-protein-coupled receptor that belongs to the rhodopsin supergene family. The 45 kDa C5a receptor is expressed by neutrophils, monocytes/macrophages, dendritic cells, astrocytes and microglia. In contrast, C5a receptor is not detectable on resting or stimulated murine T and B lymphocytes. The monoclonal antibody 10/92 does not inhibit the binding of C5a to its receptor.
Immunogen	RBL-2H3 transfectants expressing murine C5aR.
Aliases	C5a anaphylatoxin chemotactic receptor 1, C5a anaphylatoxin chemotactic receptor, C5a-R, CD88, C5aR1
Gene	Gene name: C5ar1
References	1. Soruri, A et al; Characterization of C5aR expression on murine myeloid and lymphoid cells by the use of a novel monoclonal antibody. <i>Immunol Lett</i> 2003, <i>88</i> : 47
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
12/11/2019

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