

**CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET**

|                       |   |                      |           |
|-----------------------|---|----------------------|-----------|
| <b>Product name</b>   | C9 (C-terminal), Human, clone X197, FITC conjugated |                      |           |
| <b>Catalog number</b> | HM2111F-100UG                                       |                      |           |
| <b>Lot number</b>     | -   | <b>Expiry date</b>   | -         |
| <b>Volume</b>         | 1 ml  | <b>Amount</b>        | 100 µg    |
| <b>Formulation</b>    | 0.2 µm filtered in PBS+1%BSA+0.02%NaN3              | <b>Concentration</b> | 100 µg/ml |
| <b>Host Species</b>   | Mouse IgG1  | <b>Conjugate</b>     | FITC      |
| <b>Endotoxin</b>      | N.A.  | <b>Purification</b>  | Protein G |
| <b>Storage</b>        | 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: inhibition of C9 binding to C5b-8.

**General Information**

|                              |   |
|------------------------------|---|
| <b>Description</b>           | Human C9 is a soluble glycoprotein of 61 kD. It is the last component in the assembly of the membrane attack complex (MAC). When the complement is activated on target membranes, multiple copies of C9 bind to the C5b-8 complex and assemble the barrel-shaped pore which causes cell lysis. The conformation of C9 changes from globular to a tubular form. The binding of C9 to C5b-8 plays a key role in the function of C9. |
| <b>References</b>            | 1. Hatanaka, M et al; Analysis of C5b-8 binding sites in the C9 molecule using monoclonal antibodies: participation of two separate epitopes of C9 in C5b-8 binding. <i>Mol Immunol</i> 1992, 29: 911   |
| <b>Storage&amp;stability</b> | Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.   |
| <b>Precautions</b>           | 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  
02/12/2019

Do you have any questions or comments regarding this product? Please contact us via [support@hycultbiotech.com](mailto:support@hycultbiotech.com).