

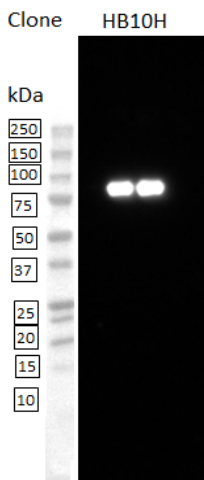
CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

| | | | |
|-----------------------|--|----------------------|-----------|
| Product name | C7, Human, mAb HB10H | | |
| Catalog number | HM2426-100UG | | |
| Lot number | - | Expiry date | - |
| Volume | 1 ml | Amount | 100 µg |
| Formulation | 0.2 µm filtered in PBS+0.02%NaN3+0.1%BSA | Concentration | 100 µg/ml |
| Host Species | Mouse IgG1 | 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



W: Western blot analysis performed with native human C7 protein and human serum with antibodies HB10H (HM2426) at 2 µg/ml. The band sizes are around 92 kDa.

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: A non-reduced and/or reduced sample treatment and SDS-Page was used. The band sizes around 92 kDa.

General Information

Description

Antibody HM2426 clone HB10H recognizes human complement C7 in its native form. Complement component C7 is an important complement protein that acts as a driving or limiting factor for the assembly of the membrane attack complex on local surfaces. However, its precise regulatory role in complement is poorly understood. The main function of C7 is stabilizing the C5b6 complex after initiation of the terminal pathway. It is primarily synthesized extrahepatically at the site of inflammation by granulocytes and endothelial cells, thereby modulating lytic or sublytic membrane attack. Mutations in the C7 gene are associated with a rare disorder called C7 deficiency and affected individuals predisposed to angioedema, collagen vascular disease, or infections. Besides functioning as a single protein and its role in MAC formation, C7 might also form complexes with other proteins indicating potential regulatory functions.

| | | | |
|------------------------------|--|------------------------------------|--------------------------------|
| Immunogen | Truncated C7 protein covering the C-terminal end | | |
| Aliases | - | | |
| Gene | Gene name: Complement C7 | Entrez Gene ID 730 | Uniprot P10643 |
| Cross reactivity | - | | |
| References | - | | |
| 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
24/10/2022

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