

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

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|-----------------------|---|----------------------|-----------|
| Product name | SI-CLP, Human, clone 1C11 | | |
| Catalog number | HM2240-20UG | | |
| Lot number | - | Expiry date | - |
| Volume | 200 µl | Amount | 20 µg |
| Formulation | 0.2 µm filtered in PBS+0.1%BSA+0.02%Na ₃ | 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

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|------------------------------|---|
| Description | The monoclonal antibody 1C11 recognizes human stabilin-1 interacting chitinase-like protein (SI-CLP). SI-CLP is a 39 kD member of the family of Glyco_18-domain-containing proteins. These chitinase-like proteins are involved primarily in Th2-associated disorders and tumor progression. Chitinase-like proteins are soluble mediators of cell differentiation, proliferation, activation, migration, and adherence. Chitinase like protein SI-CLP is a stabilin-1 interacting partner. SI-CLP gene expression was up-regulated by IL-4 and dexamethasone on the mRNA and protein levels in primary human macrophages in parallel with the expression of stabilin-1. The major site of SI-CLP intracellular localization is in Lamp1-positive and secretion committed CD63+ secretory lysosomes. The endocytic/sorting receptor stabilin-1 is a highly specific intracellular sorting receptor for SI-CLP. SI-CLP directly binds to, and colocalizes with stabilin-1. The lysosomal localization of SI-CLP in stabilin-1-negative macrophages, however, indicates that stabilin-1 may not be the only receptor mediating trafficking of newly synthesized SI-CLP. In vivo, the monoclonal antibody 1C11 recognizes SI-CLP in the cellular fraction of bronchoalveolar lavage specimens obtained from patients with chronic inflammatory disorders of the respiratory tract and in peripheral-blood leukocytes (PBLs) from these patients as well as healthy donors. |
| Immunogen | Amino acids 24 to 73 fragment GST-fusion protein |
| Aliases | Stabilin-1 Interacting Chitinase-Like Protein |
| References | 1. Kzhyshkowska, J et al; Novel stabilin-1 interacting chitinase-like protein (SI-CLP) is up-regulated in alternatively activated macrophages and secreted via lysosomal pathway. Blood 2006, 107: 3221 |
| 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
09/12/2020

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