



Rabbit Anti-Human C7 monoclonal antibody, clone S224 (CABT-ZB807)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

| | |
|---------------------------|-------------------------------------------------------------------------------------------------------------|
| Specificity | It reacts with Human C7 |
| Target | C7 |
| Immunogen | Recombinant Human Complement component 7 Protein |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Clone | S224 |
| Purification | Protein A purified |
| Conjugate | Unconjugated |
| Applications | ELISA(cap) This antibody will detect C7 in antibody pair set. [ABPR-ZB387] |
| Preparation | This antibody was obtained from a rabbit immunized with purified, recombinant Human Complement component 7. |
| Format | Purified, Liquid |
| Concentration | Lot specific |
| Size | 50 µL, 100 µL, 1 mL |
| Buffer | PBS |

| | |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Preservative | None |
| Storage | This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles. |
| Ship | Wet ice |

BACKGROUND

| | |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Introduction | Complement component 7 is a component of the complement system. It belongs to the complement C6/C7/C8/C9 family. It contains 1 EGF-like domain, 1 LDL-receptor class A domain, 1 MACPF domain, 2 Sushi (CCP/SCR) domains and 2 TSP type-1 domains. Complement component 7 serves as a membrane anchor. It participates in the formation of Membrane Attack Complex (MAC). People with C7 deficiency are prone to bacterial infection. It is a constituent of MAC that plays a key role in the innate and adaptive immune response by forming pores in the plasma membrane of target cells. Defects in C7 are a cause of complement component 7 deficiency (C7D). A rare defect of the complement classical pathway associated with susceptibility to severe recurrent infections, predominantly by <i>Neisseria gonorrhoeae</i> or <i>Neisseria meningitidis</i> . |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| | |
|-----------------|-----------------------------------------------------|
| Keywords | C7; complement component 7; complement component C7 |
|-----------------|-----------------------------------------------------|

GENE INFORMATION

| | |
|-----------------------|-----------------------------------------------------|
| Synonyms | C7; complement component 7; complement component C7 |
| Entrez Gene ID | 730 |
| UniProt ID | P10643 |
