

# CO5 rabbit pAb

Cat No.:ES11173

For research use only

## Overview

|                          |                                                                                                                                                                                                                                             |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name             | CO5 rabbit pAb                                                                                                                                                                                                                              |
| Host species             | Rabbit                                                                                                                                                                                                                                      |
| Applications             | WB;ELISA                                                                                                                                                                                                                                    |
| Species Cross-Reactivity | Human;Rat;Mouse                                                                                                                                                                                                                             |
| Recommended dilutions    | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                            |
| Immunogen                | Synthesized peptide derived from human protein . at AA range: 690-770                                                                                                                                                                       |
| Specificity              | CO5 Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                               |
| Formulation              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                     |
| Storage                  | Store at -20℃ . Avoid repeated freeze-thaw cycles.                                                                                                                                                                                          |
| Protein Name             | Complement C5 (C3 and PZP-like alpha-2-macroglobulin domain-containing protein 4) [Cleaved into: Complement C5 beta chain; Complement C5 alpha chain; C5a anaphylatoxin; Complement C5 alpha' chain]                                        |
| Gene Name                | C5 CPAMD4                                                                                                                                                                                                                                   |
| Cellular localization    | Secreted.                                                                                                                                                                                                                                   |
| Purification             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                       |
| Clonality                | Polyclonal                                                                                                                                                                                                                                  |
| Concentration            | 1 mg/ml                                                                                                                                                                                                                                     |
| Observed band            | 184kD                                                                                                                                                                                                                                       |
| Human Gene ID            | 727                                                                                                                                                                                                                                         |
| Human Swiss-Prot Number  | P01031                                                                                                                                                                                                                                      |
| Alternative Names        |                                                                                                                                                                                                                                             |
| Background               | This gene encodes a component of the complement system, a part of the innate immune system that plays an important role in inflammation, host homeostasis, and host defense against pathogens. The encoded preproprotein is proteolytically |





processed to generate multiple protein products, including the C5 alpha chain, C5 beta chain, C5a anaphylatoxin and C5b. The C5 protein is comprised of the C5 alpha and beta chains, which are linked by a disulfide bridge. Cleavage of the alpha chain by a convertase enzyme results in the formation of the C5a anaphylatoxin, which possesses potent spasmogenic and chemotactic activity, and the C5b macromolecular cleavage product, a subunit of the membrane attack complex (MAC). Mutations in this gene cause complement component 5 deficiency, a disease characterized by recurrent bacterial infections. Alternative splicing results in multiple transcript variants. [provided by RefSeq,

