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# **Recombinant C5 Monoclonal Antibody**

catalog number: AN302014L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### **Description**

Reactivity Human;

**Immunogen** Peptide. This information is proprietary to PTMab.

 Host
 Rabbit

 Isotype
 IgG, κ

 Clone
 A734

Purification Protein A purified

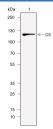
Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

## Applications Recommended Dilution

**WB** 1:1000

IHC 1:1000-1:2000

#### Data



Western Blot with C5 Monoclonal Antibody at dilution of 1:1000. Lane 1: Human serum

Observed-MW:125 kDa

Calculated-MW:188 kDa

Immunohistochemistry of paraffin-embedded Human colon using C5 Monoclonal Antibody at dilution of 1:2000.

Rev. V1.1

Immunohistochemistry of paraffin-embedded Human liver using C5 Monoclonal Antibody at dilution of 1:1000.

### **Preparation & Storage**

Storage Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

# **Background**

C5 is synthesised in the liver as a single polypeptide chain. Before secretion the molecule is glycosylated and secreted into plasma as a 190kDa glycoprotein consisting of a disulphide linked alpha-chain (115kDa) and betachain (75kDa). C5 precursor is first processed by the removal of 4 basic residues, forming two chains, beta and alpha, linked by a disulfide bond. C5 convertase activates C5 by cleaving the alpha chain, releasing C5a anaphylatoxin and generating C5b (beta chain + alpha chain).

## For Research Use Only

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