Datasheet for ABIN3029690

anti-C5 antibody (AA 253-281)

Overview

Quantity: 0.4 mL
Target: C5
Binding Specificity: AA 253-281
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Conjugate: This C5 antibody is un-conjugated
Application: Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen: A portion of amino acids 253-281 from the human protein was used as the immunogen for this C5 antibody.
Isotype: Ig Fraction
Purification: Antigen affinity purified

Target Details

Target: C5
Alternative Name: C5 (C5 Products)
Background: C5 is the fifth component of complement, which plays an important role in inflammatory and cell killing processes. This protein is comprised of alpha and beta polypeptide chains that are linked by a disulfide bridge. An activation peptide, C5a, which is an anaphylatoxin that
Target Details

possesses potent spasmogenic and chemotactic activity, is derived from the alpha polypeptide via cleavage with a convertase. The C5b macromolecular cleavage product can form a complex with the C6 complement component, and this complex is the basis for formation of the membrane attack complex, which includes additional complement components.

UniProt: P01031

Pathways: Complement System, Carbohydrate Homeostasis

Application Details

Application Notes: Titration of the C5 antibody may be required due to differences in protocols and secondary/substrate sensitivity. Western blot: 1:1000, IHC (Paraffin): 1:50-1:100, Flow Cytometry: 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Aliquot the C5 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.
**Flow Cytometry**

**Image 1.** Flow cytometric analysis of MDA-231 cells using C5 antibody (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

**Immunohistochemistry**

**Image 2.** IHC analysis of FFPE human breast carcinoma with C5 antibody

**Western Blotting**

**Image 3.** Western blot analysis of C5 antibody and HL-60 lysate

Please check the product details page for more images. Overall 5 images are available for ABIN3029690.