

Anti-C5a Polyclonal Antibody

Product Details

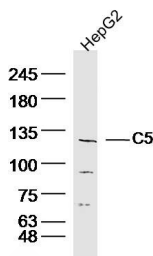
Ig Type: IgG
Reactivity: Human (predicted:Mouse,Rat)
Molecular Weight: Theoretical: 104/112 kDa. Actual: 115 kDa.
Purification: Protein A purified

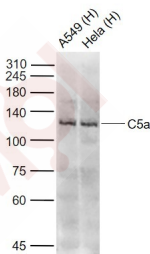
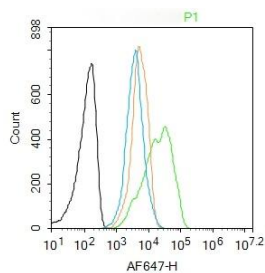
Applications

1. Sample: HepG2 (human) Lysate at 40 μ g
Primary: Anti-C5 (TMAB-00262) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 104/112 kDa
Observed band size: 117 kDa
2. Blank control: HepG2. Primary Antibody (green line): Rabbit Anti-C5 antibody (TMAB-00262)
Dilution: 2 μ g/ 10^6 cells;
Isotype Control Antibody (orange line): Rabbit IgG.
Secondary Antibody: Goat anti-rabbit IgG-AF647
Dilution: 1 μ g/test.
Protocol

Verified Activity: The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.

3. Sample:
Lane 1: A549 (Human) Cell Lysate at 30 μ g
Lane 2: HeLa (Human) Cell Lysate at 30 μ g
Primary: Anti-C5a (TMAB-00262) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 115/105 kDa
Observed band size: 115 kDa





Application: FCM,WB

Recommended WB: 1:500-2000; FCM: 2ug/Test

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Complement C5 alpha chain

Antigen Species: Human

Gene ID: 727

Uniprot ID: P01031

Synonyms: C05;Anaphylatoxin C5a analog;C5;Complement C5;Complement C5 alpha chain;C3 and PZP-like alpha-2-macroglobulin domain-containing protein 4;CPAMD4;Complement component C5

Biology Area: Oxidative Stress,Alternative Pathway,Classical Pathway,MAC,Macrophage / Inflamm.,Oxidative stress,GPCR

Research Background

Activation of the complement system plays a key role in normal inflammatory response to injury but may cause substantial injury when activated inappropriately. The complement system is activated either through the classical (antibody induced) or the alternative (microbial surface, polysaccharide induced) pathway, both leading to the formation of the C5b9 complex. Fluid phase binding of the multifunctional glycoprotein S protein (vitronectin) to C5b9 leads to the formation of a cytolytically inactive complex, SC5b9, which is unable to attach to cells.

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