

Anti-C5a anaphylatoxin Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 104/112 kDa.
Purification:	Protein A purified

Applications

Sample:	Lane 1: A549 (Human) Cell Lysate at 30 µg Lane 2: Hela (Human) Cell Lysate at 30 µg
Verified Activity:	Primary: Anti-C5a (TMAB-03451) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 115/105 kD Observed band size: 115 kD
Application:	IF,FCM,IHC-P,IHC-F
Recommended	IF=1:100-500,FCM=2ug/Test,IHC-P=1:100-500,IHC-F=1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. 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 C5a anaphylatoxin
Antigen Species:	Human
Gene ID:	727
Uniprot ID:	P01031

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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