**PRODUCT INFORMATION**

**Product Overview:** Monoclonal Antibody to Complement C5b. Activated human complement component C5.

**Specificity:** IDD6c.2 (neo) allows detection of C5b-9 complexes via activated C5, especially in different forms of glomerulonephritis. Does not react with native C5.

**Immunogen:** Activated human complement component C5.

**Clone:** IDD6c.2

**Isotype:** IgG

**Host animal:** Mouse

**Application:** Suitable for frozen tissue; Immunoblotting (Western); Cytological material; ELISA.

**Cross Reactivity:** Human; primates; bovine; pig; goat

**Purification:** Protein A affinity chromatography.

**Disorders Specifically Detected:** Detection of C5b-9 complexes via activated C5, whereas native C5 reacts with antibody IDD6c.2.

**Polypeptide Reacting:** Mr 200 000 polypeptide of SDS denatured complement component C5 and C5b of Mr 185 000; after C5b activation, a Mr 60 000 cleavage product also reacts (weakly).

**Working Dilution:** When reconstituted with 1ml distilled water, dilute further 1:10 for immunohistochemistry.

**Incubation Time:** 1h at RT.

**Storage:** At 2-8°C one year after reconstitution.

**REFERENCES**


**BACKGROUND**

**Introduction:** 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.

**Keywords:** Complement C5b; C5; c5b 9; C6; C7; C8; C9; Complement component 5; Complement component 6; Complement component 7; Complement component 8; Complement component 9; MAC; Membrane attack complex; TCC; Terminal complement complex; OTTHUMP00000119994; complement component C7; complement component C8; complement component C9; complement component C6; complement component C8 alpha chain; complement component 8 subunit alpha; OTTHUMP00000100016; OTTHUMP-00000120010; OTTHUMP00000197101