

## Product datasheet for **BM2133**

### Complement C5 (C5) (neoepitope) Mouse Monoclonal Antibody [Clone ID: HCC5b.1 (neo)]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	HCC5b.1 (neo)
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Immunoblotting (Western blot).</b> <b>Cytological material.</b> <b>Immunohistochemistry on Frozen Sections (1/10).</b> <b>Incubation time:</b> 1h at RT.
Reactivity:	Bovine, Goat, Human, Porcine, Primate
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Activated Human Complement Component C5
Specificity:	HCC 5b.1 (neo) allows detection of C5b-9 complexes via activated C5, especially in different forms of glomerulonephritis. Does not react with native C5! <b>Polypeptide Reacting:</b> Mr 200 000 polypeptide of SDS denaturated complement component C5 and C5b of Mr 185 000; after C5b activation, an Mr 60 000 cleavage product also reacts (weakly). <b>Disorders Specifically Detected:</b> Detection of C5b-9 complexes via activated C5, whereas native C5 reacts with antibody HCC 5.1.
Formulation:	PBS State: Purified State: Lyophilized purified Ig fraction from Ascites. Stabilizer: 0.5% BSA  Preservative: 0.09 % sodium azide
Reconstitution Method:	Restore with 1 ml distilled water.



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<b>Purification:</b>	Affinity Chromatography on Protein A
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	complement component 5
<b>Database Link:</b>	<a href="#">Entrez Gene 727 Human P01031</a>
<b>Background:</b>	C5 is synthesised in the liver as a single polypeptide chain. Before secretion the molecule is glycosylated and secreted into plasma as a 190 kDa glycoprotein consisting of a disulphide linked alpha-chain (111 kDa) and beta-chain (75 kDa). 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).
<b>Synonyms:</b>	Complement Component 5, CPAMD4
<b>Note:</b>	Antibody HCC 5.1, cat.no. BM5030 reacts with native C5.
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Complement and coagulation cascades, Prion diseases, Systemic lupus erythematosus