

Product datasheet for **AM01346PU-N**

Complement factor 8 beta (C8B) Mouse Monoclonal Antibody [Clone ID: 056B-373]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | 056B-373 |
| Applications: | ELISA, FC, IHC, WB |
| Recommended Dilution: | ELISA. Western Blot. Flow Cytometry. Immunohistochemistry on Frozen Sections. <i>Recommended Positive Control:</i> Kidney from post streptococcal glomerulonephritis patients. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Purified Human C8. |
| Specificity: | This antibody recognizes complement component 8 (C8), a 151 kDa member of the complement C6/C7/C8/C9 family, present in blood serum. |
| Formulation: | Borate buffered saline pH 8.2-8.4 State: Purified State: Liquid purified Ig fraction. Preservative: 0.09% Sodium Azide |
| Concentration: | lot specific |
| Purification: | Affinity Chromatography on Protein A |
| Conjugation: | Unconjugated |
| Storage: | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | complement component 8, beta polypeptide |
| Database Link: | Entrez Gene 732 Human P07358 |



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Background:

C8 is a terminal component of the complement system, part of both the complement membrane attack complex (MAC), and important to MAC assembly. C8 binds to the C5b-7 complex, anchored to the membrane, creating C5b-8. C5b-8 binds C9 and catalyses the polymerization of C9 molecules to form C5b-9 (MAC). C8 is thought to contain lipid binding sites, facilitating the insertion of MAC into the membrane. Defects in the alpha chain of C8 can result in complement C8 deficiency type I. Furthermore, C8 deficiencies can cause recurring bacterial infections, in particular from *Neisseria meningitidis*.

Synonyms:

Complement component C8, Complement 8