

C4d
Mouse Monoclonal Antibody (Mab)
Catalog # APA279**Specification**

C4d - Product Information

Application	IHC
Primary Accession	P0COL4
Host	Mouse
Clonality	Monoclonal
Calculated MW	192785 Da

C4d - Additional Information

Gene ID	720;721
Gene Name	C4A

Other Names

Complement C4-A, Acidic complement C4, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 2, Complement C4 beta chain, Complement C4-A alpha chain, C4a anaphylatoxin, C4b-A, C4d-A, Complement C4 gamma chain, C4A, CO4, CPAMD2

Dilution

IHC~~1:100~500

Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	C4d is for research use only and not for use in diagnostic or therapeutic procedures.

C4d - Protein Information

Name C4A {ECO:0000303|PubMed:6546707, ECO:0000312|HGNC:HGNC:1323}

Synonyms	CO4, CPAMD2
Function	Non-enzymatic component of C3 and C5 convertases and thus essential for the propagation of the classical complement pathway. Covalently binds to immunoglobulins and immune complexes and enhances the solubilization of immune aggregates and the clearance of IC through CR1 on erythrocytes. C4A isotype is responsible for effective binding to form amide bonds with immune aggregates or protein antigens, while C4B isotype catalyzes the transacylation of the

Cellular Location

Tissue Location

thioester carbonyl group to form ester bonds with carbohydrate antigens. Secreted. Cell junction, synapse. Cell projection, axon. Cell projection, dendrite
Complement component C4 is expressed at highest levels in the liver, at moderate levels in the adrenal cortex, adrenal medulla, thyroid gland, and the kidney, and at lowest levels in the heart, ovary, small intestine, thymus, pancreas and spleen. The extra- hepatic sites of expression may be important for the local protection and inflammatory response.

C4d - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

C4d - Images