

# C4d

Mouse Monoclonal antibody(Mab) Catalog # AD80279

### **Product Information**

Application	IHC-P
Primary Accession	<u>P0C0L4</u>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	226F1D4
Calculated MW	192785

### **Additional Information**

Gene ID Gene Name Other Names	720;721 C4A 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-P~~Ready-to-use
Storage	Maintain refrigerated at 2-8°C.
Precautions	C4d Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### **Protein Information** C4A {ECO:0000303 | PubMed:6546707, ECO:0000312 | HGNC:HGNC:1323} Name Function Precursor of non-enzymatic components of the classical, lectin and GZMK complement pathways, which consist in a cascade of proteins that leads to phagocytosis and breakdown of pathogens and signaling that strengthens the adaptive immune system. Secreted. Synapse Cell projection, axon. Cell projection, dendrite **Cellular Location** [Complement C4b-A]: Secreted. Cell surface. Note=Covalently associated with the surface of pathogens: the internal thioester bond reacts with carbohydrate antigens on the target surface to form amide or ester bonds. **Tissue Location** 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 (PubMed:11367523). The extra-hepatic sites of expression may be important for the local protection and inflammatory response (PubMed:11367523).

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## Images



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