

## CAB9511

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### Product Information

<b>Product SKU:</b> CAB9511	<b>Gene ID:</b> 720	<b>Size:</b> 20uL, 100uL
<b>Clone No:</b> -	<b>Host Species:</b> Rabbit	<b>Reactivity:</b> Human

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### Additional Information

<b>Observed MW:</b> 192kDa	<b>Conjugate:</b> Unconjugated
<b>Calculated MW:</b> 193kDa	<b>Isotype:</b> IgG

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### Immunogen Information

<b>Background:</b>	This gene encodes the acidic form of complement factor 4, part of the classical activation pathway. The protein is expressed as a single chain precursor which is proteolytically cleaved into a trimer of alpha, beta, and gamma chains prior to secretion. The trimer provides a surface for interaction between the antigen-antibody complex and other complement components. The alpha chain is cleaved to release C4 anaphylatoxin, an antimicrobial peptide and a mediator of local inflammation. Deficiency of this protein is associated with systemic lupus erythematosus and type I diabetes mellitus. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. Varying haplotypes of this gene cluster exist, such that individuals may have 1, 2, or 3 copies of this gene. Two transcript variants encoding different isoforms have been found for this gene.
<b>Recommended Dilution:</b>	WB,1:500 - 1:2000
<b>Synonyms:</b>	C4; RG; C4S; CO4; C4A2; C4A3; C4A4; C4A6; C4AD; CPAMD2; Complement C4A
<b>Purification Method:</b>	Affinity purification
<b>Immunogen:</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 1200-1446 of human Complement C4A (NP_009224.2).
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.