

## CAB24351

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### Product Information

<b>Product SKU:</b>	CAB24351	<b>Gene ID:</b>	721	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	-	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Human,Mouse,Rat

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### Additional Information

<b>Observed MW:</b>	85kDa	<b>Conjugate:</b>	Unconjugated
<b>Calculated MW:</b>	192kDa	<b>Isotype:</b>	IgG

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### Immunogen Information

**Background:** This gene encodes the basic form of complement factor 4, and together with the C4A gene, is 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 may be cleaved to release C4 anaphylatoxin, a mediator of local inflammation. Deficiency of this protein is associated with systemic lupus erythematosus. 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. In addition, this gene exists as a long form and a short form due to the presence or absence of a 6.4 kb endogenous HERV-K retrovirus in intron 9.

**Recommended Dilution:** WB,1:1000 - 1:5000 IF/ICC,1:50 - 1:200

**Synonyms:** CH; C4F; CO4; C4B1; C4B2; C4B3; C4B5; C4BD; C4B12; C4B\_2; CPAMD3; C4c

**Purification Method:** Affinity purification

**Immunogen:** Recombinant fusion protein containing a sequence corresponding to amino acids 1337-1446 of human C4c (NP\_001002029.3).

**Storage:** Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.