



## Peninsula Laboratories, LLC

A Member of the Bachem Group

305 Old County Road, San Carlos, CA 94070

Tel: (800) 922-1516 • (650) 592-5392

Fax: (650) 595-4071

www.bachem.com

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### Polyclonal Antibody To Mouse Complement C3a Receptor

#### Chicken Anti C3a Anaphylatoxin Chemotactic.Receptor

The complement C3a anaphylatoxin receptor (C3aR) is a seven-transmembrane G-protein coupled chemoattractant receptor that mediates numerous cellular responses. The second of the three extracellular loops is unusually large and seems to play a role in agonist binding. C3aR can be detected at various levels in practically all tissues. Inflammation seems to strongly increase the expression of C3aR. In human bacterial meningitis, strong expression of C3aR was observed on astrocytes, microglia, and infiltrating macrophages and neutrophils. The antibody was generated against the *cytoplasmic* carboxy-terminal portion of the mouse C3aR.

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<b>Product Number:</b>	T-2301
<b>Clone:</b>	Polyclonal antibody
<b>Host species, isotype:</b>	Chicken IgY
<b>Quantity:</b>	100µg
<b>Format:</b>	Affinity purified, liquid  Supplied as a 0.1ml solution. This stock solution contains 1mg/ml IgY, phosphate buffered saline pH 7.2 (PBS), 30% glycerol and 0.05% sodium azide as a preservative.
<b>Stability:</b>	Stock solution or aliquots thereof: 6 months at 4° - 8°C
<b>Applications:</b>	Tested for immunohistochemistry (IHC).  <b>Approximate working dilution for IHC:</b> Frozen sections: 5µg/ml (1:200) Paraffin sections: not tested. Optimal dilutions should be determined by the end user. Suggested positive control: mouse brain.
<b>Immunogen:</b>	Synthetic C-terminal peptide coupled to carrier protein.
<b>Antigen, epitope:</b>	Cytoplasmic domain of mouse C3aR.
<b>Specificity:</b>	Mouse, rat; others not tested.



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### **References:**

A. Roglic et al.: BBA **1305**: 39-43 (1996)

M. Tornetta et al.: J. Immunol. **158**: 5277-82 (1997)

J. van Beek et al.: Exp. Neurol. **161**: 373-82 (2000)

For in vitro research only. Caution: this product contains sodium azide, a poisonous and hazardous substance.