

# Mouse Complement Component C3aR Alexa Fluor® 350-conjugated Antibody

Monoclonal Rat IgG<sub>2A</sub> Clone # 620613

Catalog Number: FAB10417U

100 µg

## DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse C3aR in direct ELISAs.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 620613
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Chinese hamster ovary cell line CHO-derived transfected with mouse C3aR Accession # O09047
<b>Conjugate</b>	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	HEK293 Human Cell Line Transfected with Mouse Complement Component C3aR and eGFP

## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## BACKGROUND

Complement Component 3a receptor (C3a R) is an ~90 kDa G-protein coupled 7-transmembrane sulfated glycoprotein expressed on myeloid peripheral blood leukocytes, and on activated lymphocytes, endothelial and internal organ epithelial cells. Engagement of C3a R by C3a activates mast cells and neutrophils, triggering degranulation in airways during asthmatic allergen challenges. It assists in Th2-type inflammatory reactions and stimulates leukocyte chemotaxis. Human C3a R extracellular regions share 50% and 42% amino acid identity with mouse and rat C3a R, respectively.

## PRODUCT SPECIFIC NOTICES

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