

Mouse Complement Component C3aR Alexa Fluor® 647-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 620613

Catalog Number: FAB10417R

100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse C3aR in direct ELISAs.
Source	Monoclonal Rat IgG _{2A} Clone # 620613
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived transfected with mouse C3aR Accession # O09047
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	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.

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

PREPARATION AND STORAGE

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

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.

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