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AM08018FC-N**Monoclonal Antibody to Mouse IgA (alpha chain specific) - FITC**

Alternate names:	Mouse Immunoglobulin A
Quantity:	0.5 mg
Concentration:	0.5 mg/ml
Host / Isotype:	Rat / IgG1
Clone:	11-44-2
Format:	State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	FLISA: 1/200-1/400. Flow Cytometry: $\leq 1 \mu\text{g}/10^6$ cells. Identification and enumeration of IgA+ cells. Immunofluorescence Microscopy: Identification and enumeration of IgA+ cells. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts with the alpha heavy chain of IgA. Species: Mouse. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. McCathey SN, Shomer NH, Schrenzel MD, Whary MT, Taylor NS, Fox JG. Colonization and tissue tropism of Helicobacter pylori and a novel urease-negative Helicobacter species in ICR mice are independent of route of exposure. <i>Helicobacter</i> . 1999;4:249-59. (ELISA) 2. Tan GS, McKenna PM, Koser ML, McLinden R, Kim JH, McGgettigan JP, et al. Strong cellular and humoral anti-HIV Env immune responses induced by a heterologous rhabdoviral prime-boost approach. <i>Virology</i> . 2005;331:82-93. (ELISA) 3. Doligalska M, Rzepecka J, Drela N, Donskow K, Gerwel-Wronka M. The role of TGF-β in mice infected with <i>Heligmosomoides polygyrus</i> . <i>Parasite Immunol</i> . 2006;28:387-95. (ELISA) 4. Qin L, Greenland JR, Moriya C, Cayabyab MJ, Letvin NL. Effects of type I interferons on the adjuvant properties of plasmid granulocyte-macrophage colonystimulating factor in vivo. <i>J Virol</i> . 2007;81:10606-13. (ELISA) 5. Ramalingam TR, Pesce JT, Sheikh F, Cheever AW, Mentink-Kane MM, Wilson MS, et al. Unique functions of the type II interleukin 4 receptor identified in mice lacking the interleukin 13 receptor α1 chain. <i>Nat Immunol</i> . 2008;9:25-33. (ELISA) 6. Li F, Wang L, Jin X, Yan C, Jiang S, Shen X. The immunologic effect of TGF-beta1 chitosan nanoparticle plasmids on ovalbumin-induced allergic BALB/c

- mice. *Immunobiology*. 2009;214:87-99. (ELISA)
7. Zhang H, Jia C, Xi H, Li S, Yang L, Wang Y. Specific inhibition of *Candida albicans* growth in vitro by antibodies from experimental *Candida* keratitis mice. *Exp Eye Res*. 2011;93:50-8. (ELISA)
8. Jenq RR, Ubeda C, Taur Y, Menezes CC, Khanin R, Dudakov JA, et al. Regulation of intestinal inflammation by microbiota following allogeneic bone marrow transplantation. *J Exp Med*. 2012;209:903-11. (ELISA)
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11. Bernal-Reynaga R, Thompson-Bonilla R, Lopez-Saucedo C, Pech-Armenta M, Estrada-Parra S, Estrada-Garcia T. C57-CD40 ligand deficient mice: a potentia model for enterotoxigenic *Escherichia coli* (H10407) colonization. *Vet Immunol Immunopathol*. 2013;152:50-6. (ELISA)
12. Lopez-Saucedo C, Bernal-Reynaga R, Zayas-Jahuey J, Galindo-Gomez S, Shibayama M, Garcia-Galvez C, et al. CD40 ligand deficient C57BL/6 mouse is a potential surrogate model of human X-linked hyper IgM (X-HIGM) syndrome for characterizing immune responses against pathogens. *Biomed Res Int*. Article ID 679850, in press. (ELISA)
13. Chen M, Hong MJ, Sun H, Wang L, Shi X, Gilbert BE, et al. Essential role for autophagy in the maintenance of immunological memory against influenza infection. *Nat Med*. 2014;20:503-10. (ELISA)
14. Newberry RD, McDonough JS, McDonald KG, Lorenz RG. Postgestational lymphotoxin/lymphotoxin β receptor interactions are essential for the presence of intestinal B lymphocytes. *J Immunol*. 2002;168:4988-97. (FC)
15. Sitnicka E, Brakebusch C, Martensson I, Svensson M, Agace WW, Sigvardsson M, et al. Complementary signaling through flt3 and interleukin-7 receptor α is indispensable for fetal and adult B cell genesis. *J Exp Med*. 2003;198:1495-506. (FC)
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Pictures:

FLISA plate was coated with purified mouse IgM, IgG, and IgA. Immunoglobulins were detected with serially diluted Rat Anti-Mouse IgA-FITC (Cat. AM08018FC-N).

