IgG2a isotype control

Rat IgG2a Isotype Control FITC

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA129141	**Rat**	**Limpet**	**Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

IgG2a; Monoclonal Isotype Control; Rat IgG2a Isotype Control FITC; IgG2a isotype control

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Limpet
Clonality	Monoclonal
Isotype	Rat IgG2a
Clone Number	RTG2A1-1
Specificity	This rat IgG2a kappa monoclonal antibody (clone RTG2A1-1, also known as G2A-1-1 or KLH/G2A-1-1) detects specifically the hemocyanin of keyhole limpet and can be used as a negative control antibody in other species.
Purity/Purification	The purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Phosphate buffered saline (PBS) solution with 15mM sodium azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for IgG2a isotype control	FCM/FACS (Flow Cytometry)
Conjugation	FITC
Negative Control	The reagent is intended as an isotype control to establish the amount of non-specific antibody binding. For your particular experiment, use the same concentration of this control antibody as the recommended working concentration of the antigen-specific antibody. Also, when working with prediluted antibodies, dilute the isotype control to the same concentration as is the concentration of the antigen-specific antibody in the prediluted antibody solution you are using. If under particular experimental conditions the background signal of the isotype control is too high (usually when working concentrations of used antibodies are above 10ug/ml of incubation mixture), change the conditions of your experiment to reduce the background.
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.

ADDITIONAL INFORMATION

References	*Berge T, Gronningsaeter IH, Lorvik KB, Abrahamsen G, Granum S, Sundvold-Gjerstad V, Corthay A, Bogen B, Spurkland A: SH2D2A modulates T cell mediated protection to a B cell derived tumor in transgenic mice. PLoS One. 2012;7(10):e48239., URL: http://www.ncbi.nlm.nih.gov/pubmed/term=berge+t+l,*Talkington J, Nickell SP: Role of Fc gamma receptors in triggering host cell activation and cytokine release by Borrelia burgdorferi. Infect Immun. 2001 Jan;69(1):413-9., URL: http://www.ncbi.nlm.nih.gov/pubmed/11119532,*Gillan V, Devaney E: Regulatory T cells modulate Th2 responses induced by Brugia pahangi third-stage larvae. Infect Immun. 2005 Jul;73(7):4034-42., URL: http://www.ncbi.nlm.nih.gov/pubmed/15972491

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/igg2a-isotype-control-clone-rtg2a1-1-flow-cytometry-elisa/129141