Rat IgG2a kappa Isotype Control (eBR2a), APC, eBioscience™

Product Details	
Size	50 µg
Host/Isotype	Rat / IgG2a, kappa
Class	Monoclonal
Type	Isotype Control
Clone	eBR2a
Conjugate	APC
Excitation/Emission Max	651/660 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4°C, store in dark, DO NOT FREEZE!
RRID	AB_470181

Applications	Tested Dilution	Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	0 Publication
Flow Cytometry (Flow)	Assay-Dependent	0 Publication
Control (Ctrl)	Assay-Dependent	0 Publication

Product Specific Information

Description: The monoclonal rat IgG2a kappa is useful as an isotype control immunoglobulin.

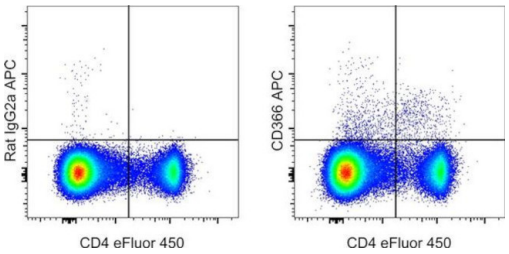
Applications Reported: This eBR2a antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBR2a antibody has been tested by flow cytometric analysis of mouse splenocytes and normal human peripheral blood cells and should be used at the same concentration as the experimental antibody.

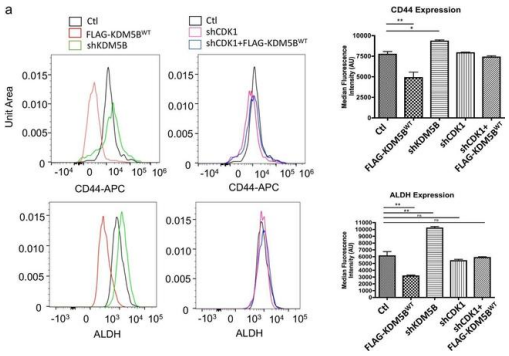
Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

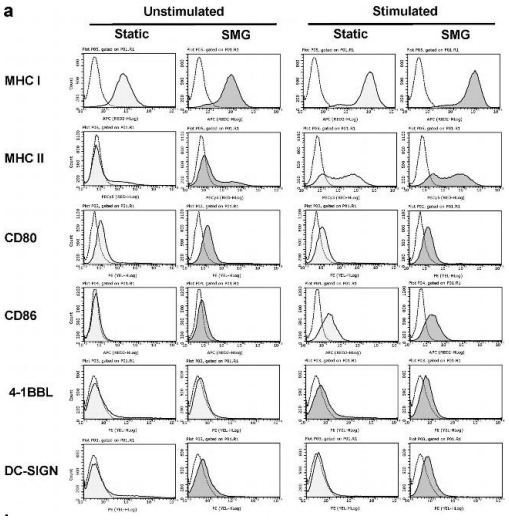
Product Images For Rat IgG2a kappa Isotype Control (eBR2a), APC, eBioscience™



Rat IgG2a kappa Isotype Control (17-4321-81) in Flow
Staining of C57BL/6 splenocytes with Anti-Mouse CD4 eFluor® 450 (Product # 48-5870) and 0.125 µg of Rat IgG2a K Isotype Control APC (Product # 17-4321-81) (left) or 0.125 µg of Anti-Mouse CD366 APC (right). Cells in the lymphocyte gate were used for analysis.



Rat IgG2a kappa Isotype Control (17-4321-81) in Flow
KDM5B induces a reduction in the CSC population in TNBC and role of CDK1 in KDM5B action. MDA-MB-231 cells were transfected as indicated with expression vectors for FLAG-KDM5BWT, shKDM5B, and/or shCDK1. Shown are (a) flow cytometry analyses of ALDH+ (aldehyde dehydrogenase) and CD44-APC (allophycocyanin) positive populations including mean fluorescence values (MFI) and (b) mammosphere formation assay. (c) MDA-MB-231 cells were transfected with expression vectors for FLAG-KDM5BWT, -KDM5BS1456A or -KDM5BS1456D. Transfected cells were cultured in mammosphere media and colonies were quantified. Figures are representative of at least 3 independent experiments. Image collected and cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/31776402), licensed under a CC BY license.



Rat IgG2a kappa Isotype Control (17-4321-81) in Flow
JAWS II DC undergo maturation when cultured in SMG. (a) Unstimulated and stimulated JAWS II DC (2 × 105/ml) were cultured in Static (light gray) or SMG (dark gray) conditions for 72 h. JAWS II DC activated during Static or SMG culture were either incubated with (stimulated) or without (unstimulated) a cocktail of cytokines (IFN-, IL-4 and TNF). Afterwards, the cells were collected and stained with antibodies for MHC class I and II, CD80, CD86, 4-1BBL and DC-SIGN and their corresponding isotype controls. Open histograms with broken lines represent isotype controls. (b) Graph represents the MFI of each of the surface molecules examined in (a) for unstimulated Static (light gray bars) and SMG JAWS II DC (black bars). (c) Culture supernatants, collected from unstimulated and stimulated JAWS II DC (2 × 105/ml) cultured as in (a), were assessed for IL-6 production by ELISA. One representation of two independent experiments with similar results is shown for (a,b). For (c), the data represents the mean + SD of quadruplicates of two independent experiments. In (b), *p-value 0.05 comparing the expression of surface molecules by SMG and Static JAWS II DC. In (c), *p-value 0.05 comparing the production of IL-6 by unstimulated and stimulated SMG to Static JAWS II DC. Image collected and cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/31554863), licensed under a CC BY license.

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93 References

Embryo-restricted responses to maternal IL-17A promote neurodevelopmental disorders in mouse offspring. Mol Psychiatry (2025)

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