

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	IgG2b, Rat, clone RTK4530	Expiry date	-
Catalog number	HI3022		
Lot number	-	Amount	50 µg
Volume	100 µl	Concentration	0.5 mg/ml
Formulation	0.2 µm filtered in PBS+0.09%NaN3	Conjugate	None
Host Species	Rat IgG2b	Purification	Affinity
Endotoxin	N.A.		
Storage	4°C		

Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes	•	•	•	•			•	•
No								
N.D.					•	•		

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot

For mentioned applications dilutions to be used depend on detection system applied. It is recommended that users titrate the antibody for use in their system to a concentration equivalent to the test reagents.

General Information

Description	The Rat IgG2b, mAb RTK4530 immunoglobulin is useful as an isotype control for several applications: Western blot, immunoprecipitation, immunohistochemistry, immunofluorescence microscopy and flow cytometry.
Immunogen	Trinitrophenol + KLH
References	<ol style="list-style-type: none"> Cervantes-Barragan L, et al; Control of coronavirus infection through plasmacytoid dendritic-cell-derived type I interferon. <i>Blood</i> 2007, 109:3 Zeiser R, et al; Early CD30 signaling is critical for adoptively transferred CD4+CD25+ regulatory T cells in prevention of acute graft-versus-host disease. <i>Blood</i> 2007, 109:5 Sasaki K, et al; Stat6 signaling suppresses VLA-4 expression by CD8+ T cells and limits their ability to infiltrate tumor lesions in vivo. <i>J. Immunol.</i> 2008, 181:1 Duan J, et al; Microbial carbohydrate depolymerization by antigen-presenting cells: deamination prior to presentation by the MHCII pathway. <i>P. Natl. Acad. Sci. USA</i> 2008, 105:13 Yi H, et al; Pattern recognition scavenger receptor SRA/CD204 down-regulates Toll-like receptor 4 signaling-dependent CD8 T-cell activation. <i>Blood</i> 2009, 113:23 Schaefer J, et al; ICOS promotes IL-17 synthesis in colonic intraepithelial lymphocytes in IL-10^{-/-} mice. <i>J. Leukocyte Biol.</i> 2010, 87:2 Lei G, et al; Myeloid-derived suppressor cells impair alveolar macrophages through PD-1 receptor ligation during Pneumocystis pneumonia. <i>Infect Immun.</i> 2015, 83:2 Richards J, et al; Interleukin-19 increases angiogenesis in ischemic hind limbs by direct effects on both endothelial cells and macrophage polarization. <i>Mol Cell Cardiol.</i> 2015, 79:21
Storage&stability	Product should be stored undiluted at 4°C. Avoid repeated freezing and thawing as this may denature the antibody. Under recommended storage conditions, product is stable for at least one year.

Precautions

For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC
Robbert Zwinkels

Date
20/03/2018

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.