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Datasheet for ABIN2176437

Goat anti-Rat IgG Antibody (Cy3)

2 Publications

Overview

Quantity:	200 µL
Target:	IgG
Reactivity:	Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Cy3
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Isotype:	IgG
Purification:	Purified by Protein A.

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	Immunoglobulin G (IgG), is one of the most abundant proteins in serum with normal levels between 8-17 mg/mL in adult blood. IgG is important for our defence against microorganisms and the molecules are produced by B lymphocytes as a part of our adaptive immune response. The IgG molecule has two separate functions, to bind to the pathogen that elicited the response

Target Details

and to recruit other cells and molecules to destroy the antigen. The variability of the IgG pool is generated by somatic recombination and the number of specificities in an individual at a given time point is estimated to be 1011 variants.

Application Details

Application Notes: IF(IHC-P): (1:500-2000), IF(IHC-F): (1:500-2000), IF(ICC): (1:500-1000)
Optimal working dilution should be determined by the investigator.

Comment: Excitation/Emission: 512,550nm/570,615nm

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 100 µg/mL BSA, 50 % glycerol and 0.09 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at 4 °C for 12 months.

Publications

Product cited in: Bozok Cetintas, Acikgoz, Yigitturk, Demir, Oktem, Tezcanli Kaymaz, Oltulu, Aktug: "Effects of flavopiridol on critical regulation pathways of CD133high/CD44high lung cancer stem cells." in: **Medicine**, Vol. 95, Issue 43, pp. e5150, (2016) ([PubMed](#)).

Zhou, Liu, Ruan, Wang, Jiang, Wu, Chen: "Construction of corneal epithelium with human amniotic epithelial cells and repair of limbal deficiency in rabbit models." in: **Human cell**, Vol. 28, Issue 1, pp. 22-36, (2015) ([PubMed](#)).

Liao, Liu, Zheng, Fan, Peng, Kong, He, Yang, Chen, Tang, Yu: "Tacrolimus Protects Podocytes from Injury in Lupus Nephritis Partly by Stabilizing the Cytoskeleton and Inhibiting Podocyte Apoptosis." in: **PLoS ONE**, Vol. 10, Issue 7, pp. e0132724, (2015) ([PubMed](#)).

Wang, Zhang, Zhang, Wang, Zhang, Wei, Shen, Liu, Xu, Zhang: "Chlamydia pneumoniae infection promotes vascular smooth muscle cell migration through a Toll-like receptor 2-related signaling pathway." in: **Infection and immunity**, Vol. 81, Issue 12, pp. 4583-91, (2013) ([PubMed](#)).