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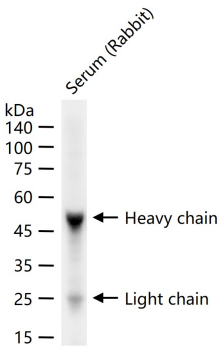
Goat Anti-Rabbit IgG H&L, RBITC conjugated

Catalog Number:	bs-0295G-RBITC
Target Protein:	Goat Anti-Rabbit IgG H&L
Concentration:	2.0 mg/ml
Form:	Liquid
Host:	Goat
Clonality:	Polyclonal
Isotype:	IgG
Applications:	IF (1:200-1000), Flow-Cyt (1:50-200) Excitation spectrum: 540nm Emission spectrum: 625nm Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Rabbit
Purification:	affinity purified by Protein G, nonspecific adsorbed
Storage:	10 mM TBS (pH=7.4) with 1% BSA, 0.03% Proclin300 and 50% glycerol. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
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 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.

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with Rabbit IgG H&L polyclonal antibody, unconjugated (bs-0295G) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

PRODUCT SPECIFIC PUBLICATIONS

[IF=15.153] Songlin Gong. et al. Tumor Microenvironment-Activated Hydrogel Platform with Programmed Release Property Evokes a Cascade-Amplified Immune Response against Tumor Growth, Metastasis and Recurrence. SMALL. 2022 Nov;:2107061 IF ; Mouse . 36323618

[IF=12.4] Chao Li. et al. Genetic and pharmacological inhibition of GRPR protects against acute kidney injury via attenuating renal inflammation and necroptosis. MOL THER. 2023 Jul 05 IF ; Mouse . 37415332

[IF=8.59] Hu et al. MARCH5 RNA promotes autophagy, migration, and invasion of ovarian cancer cells. (2017) Autophagy. 13:333-344 IF ; Rabbit . 27875077

[IF=9] Ma Nannan. et al. CHOP-mediated Gasdermin E expression promotes pyroptosis, inflammation, and mitochondrial damage in renal ischemia-reperfusion injury. CELL DEATH DIS. 2024 Feb;15(2):1-17 IF ; Mouse . 38388468

[IF=7.793] Wang JN et al. Smad3 promotes AKI sensitivity in diabetic mice via interaction with p53 and induction of NOX4-dependent ROS production. Redox Biol. 2020 Feb 26;32:101479. IF ; human . 32143149