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Goat Anti-Rat IgG H&L, HRP conjugated

Catalog Number:	bs-0293G-HRP
Target Protein:	Goat Anti-Rat IgG H&L
Concentration:	2.0 mg/ml
Form:	Liquid
Host:	Goat
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:2000-20000), IHC-P (1:100-1000), IHC-F (1:100-1000), ELISA (1:2000-20000)
Reactivity:	Rat
Purification:	affinity purified by Protein G
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.

PRODUCT SPECIFIC PUBLICATIONS

[IF=14.026] Congcong Chen. et al. Radix Paeoniae Alba attenuates Radix Bupleuri-induced hepatotoxicity by modulating gut microbiota to alleviate the inhibition of saikosaponins on glutathione synthetase. J PHARM ANAL. 2023 Apr;: WB ; Rat . 10.1016/j.jpha.2023.04.016

[IF=10.5] Fangzhou Du. et al. Controlled release of mesenchymal stem cell-derived nanovesicles through glucose- and reactive oxygen species-responsive hydrogels accelerates diabetic wound healing. J CONTROL RELEASE. 2024 Dec;376:985 WB ; Mouse,Human . 39505216

[IF=9.4] Keze Hong. et al. A nanodrug provokes antitumor immune responses via synchronous multicellular regulation for enhanced cancer immunotherapy. J COLLOID INTERF SCI. 2024 Sep;: IHC ; Mouse . 39265345

[IF=7.4] Hong-Chieh Tsai. et al. Acrolein produced by glioma cells under hypoxia inhibits neutrophil AKT activity and suppresses anti-tumoral activities. FREE RADICAL BIO MED. 2023 Oct;207:17 Other ; . 37414347

[IF=6.8] Lingfeng Luo. et al. Maternal genetic intergenerational and transgenerational effects on hormone synthesis in ovarian granulosa cells of offspring exposed to cadmium during pregnancy. ECOTOX ENVIRON SAFE. 2023 Sep;263:115278 WB ; Rat . 37481859