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## Mouse Anti-Rat IgG H&L

Catalog Number: bs-0293M

Target Protein: Mouse Anti-Rat IgG H&L

Form: Lyophilized

Host: Mouse

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:1000-5000), IHC-P (1:100-500), IHC-F (1:200-1000), IF, ELISA (1:2000-10000)

Reactivity: Rat

Source: Native Rat IgG: full length.

Purification: affinity purified by Protein G

Storage: 0.01M PBS (pH7.4).

Store at -20°C stable for 2 years (lyophilized powder). 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

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[IF=1.92] Zhu et al. Aucubin suppresses Titanium particles-mediated apoptosis of MC3T3-E1 cells and facilitates osteogenesis by affecting the BMP2/Smads/RunX2 signaling pathway. (2018) Mol.Med.Rep. 18:2561-2570 WB ; Rat . 30015916

[IF=1.89] He and Zhu Collapsin Response Mediator Protein-2 Ameliorates Sevoflurane-Mediated Neurocyte Injury by Targeting PI3K-mTOR-S6K Pathway. (2018) Med.Sci.Monit. 24:4982-4991 WB ; Rat . 30018280

[IF=1.41] Jia et al. Overexpression of indoleamine 2, 3-dioxygenase contributes to the repair of human airway epithelial cells inhibited by dexamethasone via affecting the MAPK/ERK signaling pathway. (2018) Exp.Ther.Med. 16:282-290 WB ; Rat . 29896251

[IF=0] Jia et al. CDMP1 overexpression mediates inflammatory cytokine-induced apoptosis via inhibiting the Wnt/ $\beta$ -Catenin pathway in rat dorsal root ganglia neurons. (2018) Int.J.Mol.Med. 42:1247-1256 WB ; Rat . 29901085