

PP501P**Normal Rabbit IgG**

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| Quantity: | 0.5 mg |
| Concentration: | 1.0 mg/ml (after reconstitution) |
| Source: | Rabbit |
| Format: | State: Lyophilized (sterile filtered) purified IgG fraction Purity: Protein A Chromatography Buffer System: PBS Endotoxin Level: < 0.1 ng/μg of protein (< EU/μg) Reconstitution: Restore in sterile water to a concentration 1.0 mg/ml. Centrifuge vial prior to opening! |
| Applications: | Normal Rabbit IgG should be used in Immunoassays at the same concentration as the specific Rabbit polyclonal antibody. It is recommended that a range of dilutions be utilized in preliminary experiments to determine optimal concentration. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Description: | Normal Rabbit IgG is produced from the serum of Rabbits that have not been immunized. This preparation can be used as a Control Reagent for Immunoassays using Rabbit polyclonal antibodies. |
| Storage: | Molecular weight: ~150 kDa Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch. |
| Product Citations: | Originator or purchased from resellers: 1. Klimiuk PA, Goronzy JJ, Weyand CM. IL-16 as an anti-inflammatory cytokine in rheumatoid synovitis. <i>J Immunol.</i> 1999 Apr 1;162(7):4293-9. PubMed PMID: 10201961. 2. Chandrasekar B, Smith JB, Freeman GL. Ischemia-reperfusion of rat myocardium activates nuclear factor-KappaB and induces neutrophil infiltration via lipopolysaccharide-induced CXC chemokine. <i>Circulation.</i> 2001 May 8;103(18):2296-302. PubMed PMID: 11342480. 3. Fantuzzi L, Spadaro F, Vallanti G, Canini I, Ramoni C, Vicenzi E, et al. Endogenous CCL2 (monocyte chemoattractant protein-1) modulates human immunodeficiency virus type-1 replication and affects cytoskeleton organization in human monocyte-derived macrophages. <i>Blood.</i> 2003 Oct 1;102(7):2334-7. Epub 2003 Jun 12. PubMed PMID: 12805068. 4. Miknyoczki SJ, Wan W, Chang H, Dobrzanski P, Ruggeri BA, Dionne CA, et al. The neurotrophin-trk receptor axes are critical for the growth and progression of human prostatic carcinoma and pancreatic ductal adenocarcinoma xenografts in nude mice. <i>Clin Cancer Res.</i> 2002 Jun;8(6):1924-31. PubMed PMID: 12060637. |

5. Piovan E, Tosello V, Indraccolo S, Cabrelle A, Baesso I, Trentin L, et al. Chemokine receptor expression in EBV-associated lymphoproliferation in hu/SCID mice: implications for CXCL12/CXCR4 axis in lymphoma generation. *Blood*. 2005 Feb 1;105(3):931-9. Epub 2004 Sep 28. PubMed PMID: 15454484.
6. Mennechet FJ, Uzé G. Interferon-lambda-treated dendritic cells specifically induce proliferation of FOXP3-expressing suppressor T cells. *Blood*. 2006 Jun 1;107(11):4417-23. Epub 2006 Feb 14. PubMed PMID: 16478884.
7. Tsunoda S, Okumura T, Ito T, Mori Y, Soma T, Watanabe G, et al. Significance of nerve growth factor overexpression and its autocrine loop in oesophageal squamous cell carcinoma. *Br J Cancer*. 2006 Aug 7;95(3):322-30. Epub 2006 Jul 11. PubMed PMID: 16832412.
8. Shimoda M, Jones VC, Kobayashi M, Suzuki F. Microglial cells from psychologically stressed mice as an accelerator of cerebral cryptococcosis. *Immunol Cell Biol*. 2006 Dec;84(6):551-6. Epub 2006 Sep 5. PubMed PMID: 16956390.
9. Nagato T, Kobayashi H, Kishibe K, Takahara M, Ogino T, Ishii H, et al. Expression of interleukin-9 in nasal natural killer/T-cell lymphoma cell lines and patients. *Clin Cancer Res*. 2005 Dec 1;11(23):8250-7. PubMed PMID: 16322282.
10. Cohn ZJ, Kim A, Huang L, Brand J, Wang H. Lipopolysaccharide-induced inflammation attenuates taste progenitor cell proliferation and shortens the life span of taste bud cells. *BMC Neurosci*. 2010 Jun 10;11:72. doi: 10.1186/1471-2202-11-72. PubMed PMID: 20537148.
11. Linge HM, Collin M, Giwercman A, Malm J, Bjartell A, Egesten A. The antibacterial chemokine MIG/CXCL9 is constitutively expressed in epithelial cells of the male urogenital tract and is present in seminal plasma. *J Interferon Cytokine Res*. 2008 Mar;28(3):191-6. doi: 10.1089/jir.2007.0100. PubMed PMID: 18338951.
12. Lambert MP, Rauova L, Bailey M, Sola-Visner MC, Kowalska MA, Poncz M. Platelet factor 4 is a negative autocrine in vivo regulator of megakaryopoiesis: clinical and therapeutic implications. *Blood*. 2007 Aug 15;110(4):1153-60. Epub 2007 May 10. PubMed PMID: 17495129.
13. Garraud O, Diouf A, Holm I, Perraut R, Longacre S. Immune responses to *Plasmodium falciparum*-merozoite surface protein 1 (MSP1) antigen, II. Induction of parasite-specific immunoglobulin G in unsensitized human B cells after in vitro T-cell priming with MSP119. *Immunology*. 1999 Jul;97(3):497-505. PubMed PMID: 10447773.
14. Yamada Y, Sekine Y, Yoshida S, Yasufuku K, Petrache I, Benson HL, et al. Type V collagen-induced oral tolerance plus low-dose cyclosporine prevents rejection of MHC class I and II incompatible lung allografts. *J Immunol*. 2009 Jul 1;183(1):237-45. doi: 10.4049/jimmunol.0804028. PubMed PMID: 19542435.
15. Chen HY, Fermin A, Vardhana S, Weng IC, Lo KF, Chang EY, et al. Galectin-3 negatively regulates TCR-mediated CD4+ T-cell activation at the immunological synapse. *Proc Natl Acad Sci U S A*. 2009 Aug 25;106(34):14496-501. doi: 10.1073/pnas.0903497106. Epub 2009 Aug 12. PubMed PMID: 19706535.
16. Haebig K, Gloeckner CJ, Miralles MG, Gillardon F, Schulte C, Riess O, et al. ARHGEF7 (Beta-PIX) acts as guanine nucleotide exchange factor for leucine-rich repeat kinase 2. *PLoS One*. 2010 Oct 29;5(10):e13762. doi: 10.1371/journal.pone.0013762. PubMed PMID: 21048939.
17. Jansen AM, Hall LJ, Clare S, Goulding D, Holt KE, Grant AJ, et al. A *Salmonella*

- Typhimurium-Typhi genomic chimera: a model to study Vi polysaccharide capsule function in vivo. *PLoS Pathog.* 2011 Jul;7(7):e1002131. doi: 10.1371/journal.ppat.1002131. Epub 2011 Jul 28. PubMed PMID: 21829346.
18. Cocchi F, DeVico AL, Lu W, Popovic M, Latinovic O, Sajadi MM, et al. Soluble factors from T cells inhibiting X4 strains of HIV are a mixture of β chemokines and RNases. *Proc Natl Acad Sci U S A.* 2012 Apr 3;109(14):5411-6. doi: 10.1073/pnas.1202240109. Epub 2012 Mar 19. PubMed PMID: 22431590.
19. Cambien B, Richard-Fiardo P, Karimjee BF, Martini V, Ferrua B, Pitard B, et al. CCL5 neutralization restricts cancer growth and potentiates the targeting of PDGFR β in colorectal carcinoma. *PLoS One.* 2011;6(12):e28842. doi: 10.1371/journal.pone.0028842. Epub 2011 Dec 20. PubMed PMID: 22205974.
20. Tanaka H, Shimazawa M, Kimura M, Takata M, Tsuruma K, Yamada M, et al. The potential of GPNMB as novel neuroprotective factor in amyotrophic lateral sclerosis. *Sci Rep.* 2012;2:573. doi: 10.1038/srep00573. Epub 2012 Aug 13. PubMed PMID: 22891158.
21. Pupovac A, Foster CM, Sluyter R. Human P2X7 receptor activation induces the rapid shedding of CXCL16. *Biochem Biophys Res Commun.* 2013 Mar 22;432(4):626-31. doi: 10.1016/j.bbrc.2013.01.134. Epub 2013 Feb 18. PubMed PMID: 23428418.
22. Li M, Li Y, Liu X, Gao X, Wang Y. IL-33 blockade suppresses the development of experimental autoimmune encephalomyelitis in C57BL/6 mice. *J Neuroimmunol.* 2012 Jun 15;247(1-2):25-31. doi: 10.1016/j.jneuroim.2012.03.016. Epub 2012 Apr 18. PubMed PMID: 22516472.
23. Little MC, Hurst RJ, Else KJ. Dynamic changes in macrophage activation and proliferation during the development and resolution of intestinal inflammation. *J Immunol.* 2014 Nov 1;193(9):4684-95. doi: 10.4049/jimmunol.1400502. Epub 2014 Sep 26. PubMed PMID: 25261482.
- General Readings:**
1. Witcher M, Shiu HY, Guo Q, Miller WH. Combination of retinoic acid and tumor necrosis factor overcomes the maturation block in a variety of retinoic acid-resistant acute promyelocytic leukemia cells. *Blood.* 2004 Nov 15;104(10):3335-42. Epub 2004 Jul 15. PubMed PMID: 15256426.