

**A Selection of Customer Publications which Use Polyclonal Antibodies  
Produced by BioGenes**

**2017**

**Immunization with the Malaria Diversity-Covering Blood-Stage Vaccine Candidate *Plasmodium falciparum* Apical Membrane Antigen 1 DiCo in Complex with Its Natural Ligand PfRon2 Does Not Improve the *In Vitro* Efficacy.**

Spiegel H, Boes A, Fendel R, Reimann A, Schillberg S, Fischer R.  
*Front Immunol.* 2017 Jun 27;8:743. doi: 10.3389/fimmu.2017.00743. eCollection 2017.

[\(abstract\)](#)

**Nicotinamide riboside kinases display redundancy in mediating nicotinamide mononucleotide and nicotinamide riboside metabolism in skeletal muscle cells.**

Fletcher RS, Ratajczak J, Doig CL, Oakey LA, Callingham R, Da Silva Xavier G, Garten A, Elhassan YS, Redpath P, Migaud ME, Philp A, Brenner C, Canto C, Lavery GG.

*Mol Metab.* 2017 May 29;6(8):819-832. doi: 10.1016/j.molmet.2017.05.011. eCollection 2017 Aug.

[\(abstract\)](#)

**Recombinant Modified Vaccinia Virus Ankara Generating Ebola Virus-Like Particles.**

Schweneker M, Laimbacher AS, Zimmer G, Wagner S, Schraner EM, Wolferstätter M, Klingenberg M, Dirmeier U, Steigerwald R, Lauterbach H, Hochrein H, Chaplin P, Suter M, Hausmann J.

*J Virol.* 2017 May 12;91(11). pii: e00343-17. doi: 10.1128/JVI.00343-17. Print 2017 Jun 1.

[\(abstract\)](#)

**Evolutionary conservation and in vitro reconstitution of microsporidian iron-sulfur cluster biosynthesis.**

Freibert SA, Goldberg AV, Hacker C, Molik S, Dean P, Williams TA, Nakjang S, Long S, Sendra K, Bill E, Heinz E, Hirt RP, Lucocq JM, Embley TM, Lill R.

*Nat Commun.* 2017 Jan 4;8:13932. doi: 10.1038/ncomms13932.

[\(abstract\)](#)

**2016**

**Systematic analysis of phosphotyrosine antibodies recognizing single phosphorylated EPIYA-motifs in CagA of East Asian-type *Helicobacter pylori* strains.**

Lind J, Backert S, Hoffmann R, Eichler J, Yamaoka Y, Perez-Perez GI, Torres J, Sticht H, Tegtmeyer N.

*BMC Microbiol.* 2016 Sep 2;16(1):201. doi: 10.1186/s12866-016-0820-6.

[\(abstract\)](#)

**Analysis of the dose-dependent stage-specific in vitro efficacy of a multi-stage malaria vaccine candidate cocktail.**

Boes A, Spiegel H, Kastilan R, Bethke S, Voepel N, Chudobová I, Bolscher JM, Dechering KJ, Fendel R, Buyel JF, Reimann A, Schillberg S, Fischer R.

*Malar J.* 2016 May 17;15(1):279. doi: 10.1186/s12936-016-1328-0.

[\(abstract\)](#)

**Phosphorylated and Nonphosphorylated PfMAP2 Are Localized in the Nucleus, Dependent on the Stage of *Plasmodium falciparum* Asexual Maturation.**

Dahalan FA, Sidek HM, Murtey MD, Embi MN, Ibrahim J, Fei Tieng L, Zakaria NA, Abdul-Aziz NM.

*Biomed Res Int.* 2016;2016:1645097. doi: 10.1155/2016/1645097. Epub 2016 Jul 25.

[\(abstract\)](#)

**The structure and DNA-binding properties of Mgm101 from a yeast with a linear mitochondrial genome.**

Pevala V, Truban D, Bauer JA, Košťan J, Kunová N, Bellová J, Brandstetter M, Marini V, Krejčí L, Tomáška L, Nosek J, Kutejová E.

*Nucleic Acids Res.* 2016 Mar 18;44(5):2227-39. doi: 10.1093/nar/gkv1529. Epub 2016 Jan 6.

[\(abstract\)](#)

**Galactofuranose in *Mycoplasma mycoides* is important for membrane integrity and conceals adhesins but does not contribute to serum resistance.**

Schieck E, Lartigue C, Frey J, Voza N, Hegermann J, Miller RA, Valguarnera E, Muriuki C, Meens J, Nene V, Naessens J, Weber J, Lowary TL, Vashee S, Feldman MF, Jores J.

*Mol Microbiol.* 2016 Jan;99(1):55-70. doi: 10.1111/mmi.13213. Epub 2015 Oct 14.

[\(abstract\)](#)

**2015**

**A novel antigen capture ELISA for the specific detection of IgG antibodies to elephant endotheliotropic herpes virus.**

van den Doel PB, Prieto VR, van Rossum-Fikkert SE, Schaftenaar W, Latimer E, Howard L, Chapman S, Masters N, Osterhaus AD, Ling PD, Dastjerdi A, Martina B.

*BMC Vet Res.* 2015 Aug 14;11:203. doi: 10.1186/s12917-015-0522-6.

[\(abstract\)](#)

**Detailed functional characterization of glycosylated and nonglycosylated variants of malaria vaccine candidate PfAMA1 produced in *Nicotiana benthamiana* and analysis of growth inhibitory responses in rabbits.**

Boes A, Spiegel H, Edgus G, Kapelski S, Scheuermayer M, Fendel R, Remarque E, Altmann F, Maresch D, Reimann A, Pradel G, Schillberg S, Fischer R.

*Plant Biotechnol J.* 2015 Feb;13(2):222-34. doi: 10.1111/pbi.12255. Epub 2014 Sep 18.

[\(abstract\)](#)

**2014**

**Characterization of immunological cross-reactivity between enterotoxigenic *Escherichia coli* heat-stable toxin and human guanylin and uroguanylin.**

Taxt AM, Diaz Y, Bacle A, Grauffel C, Reuter N, Aasland R, Sommerfelt H, Puntervoll P.

*Infect Immun.* 2014 Jul;82(7):2913-22. doi: 10.1128/IAI.01749-14. Epub 2014 Apr 28.

[\(abstract\)](#)

**Inhibiting helicobacter pylori HtrA protease by addressing a computationally predicted allosteric ligand binding site.**

Perna AM, Reisen F, Schmidt TP, Geppert T, Pillong M, Weisel M, Hoy B, Simister PC, Feller SM, Wessler S, Schneider G.

*Chem Sci.* 2014 Jun 30;5:3583-3590.

[\(abstract\)](#)

**2013**

**Megakaryocyte-specific deletion of the protein-tyrosine phosphatases Shp1 and Shp2 causes abnormal megakaryocyte development.**

Mazharian A, Mori J, Wang YJ, Heising S, Neel BG, Watson SP, Senis YA.

*Blood.* 2013 May 16;121(20):4205-20. doi: 10.1182/blood-2012-08-449272. Epub 2013 Mar 18.

[\(abstract\)](#)

**2012**

**Induction of strain-transcending antibodies against Group A PfEMP1 surface antigens from virulent malaria parasites.**

Ghumra A, Semblat JP, Ataide R, Kifude C, Adams Y, Claessens A, Anong DN, Bull PC, Fennell C, Arman M, Amambua-Ngwa A, Walther M, Conway DJ, Kassambara L, Doumbo OK, Raza A, Rowe JA.

*PLoS Pathog.* 2012;8(4):e1002665. doi: 10.1371/journal.ppat.1002665. Epub 2012 Apr 19.

[\(abstract\)](#)

## **2011**

### **A Malaria Vaccine Based on the Polymorphic Block 2 Region of MSP-1 that Elicits a Broad Serotype-Spanning Immune Response.**

Cowan GJ, Creasey AM, Dhanasarnsombut K, Thomas AW, Remarque EJ, Cavanagh DR.  
*PLoS One*. 2011;6(10):e26616. doi: 10.1371/journal.pone.0026616. Epub 2011 Oct 26.

[\(abstract\)](#)

### **An intermediate membrane subfraction in cyanobacteria is involved in an assembly network for Photosystem II biogenesis.**

Rengstl B, Oster U, Stengel A, Nickelsen J.

*J Biol Chem*. 2011 Jun 17;286(24):21944-51. doi: 10.1074/jbc.M111.237867. Epub 2011 Apr 29.

[\(abstract\)](#)

### **Immunization with different PfAMA1 alleles in sequence induces clonal imprint humoral responses that are similar to responses induced by the same alleles as a vaccine cocktail in rabbits.**

Kusi KA, Faber BW, van der Eijk M, Thomas AW, Kocken CH, Remarque EJ.

*Malar J*. 2011 Feb 14;10:40. doi: 10.1186/1475-2875-10-40.

[\(abstract\)](#)

### **Immunisation with recombinant PfEMP1 domains elicits functional rosette-inhibiting and phagocytosis-inducing antibodies to Plasmodium falciparum.**

Ghumra A, Khunrae P, Ataide R, Raza A, Rogerson SJ, Higgins MK, Rowe JA.

*PLoS One*. 2011 Jan 31;6(1):e16414. doi: 10.1371/journal.pone.0016414.

[\(abstract\)](#)

## **2010**

### **Generation of humoral immune responses to multi-allele PfAMA1 vaccines; effect of adjuvant and number of component alleles on the breadth of response.**

Kusi KA, Faber BW, Riasat V, Thomas AW, Kocken CH, Remarque EJ.

*PLoS One*. 2010 Nov 3;5(11):e15391. doi: 10.1371/journal.pone.0015391.

[\(abstract\)](#)

### **Helicobacter pylori HtrA is a new secreted virulence factor that cleaves E-cadherin to disrupt intercellular adhesion.**

Hoy B, Löwer M, Weydig C, Carra G, Tegtmeyer N, Geppert T, Schröder P, Sewald N, Backert S, Schneider G, Wessler S.

*EMBO Rep*. 2010 Oct;11(10):798-804. doi: 10.1038/embor.2010.114. Epub 2010 Sep 3.

[\(abstract\)](#)

### **Agonistic antibody to the alpha1-adrenergic receptor mobilizes intracellular calcium and induces phosphorylation of a cardiac 15-kDa protein.**

Karczewski P, Haase H, Hempel P, Bimmler M.

*Mol Cell Biochem*. 2010 Jan;333(1-2):233-42. doi: 10.1007/s11010-009-0224-0. Epub 2009 Aug 15.

[\(abstract\)](#)

## **2009**

### **A Chemokine Targets the Nucleus: Cxcl12-Gamma Isoform Localizes to the Nucleolus in Adult Mouse Heart.**

Torres R, Ramirez JC.

*PLoS One*. 2009; 4(10): e7570.

[\(abstract\)](#)

## **2008**

### **Characterization of the Cdc6 Homologues from the Euryarchaeon Thermoplasma acidophilum.**

Haugland GT, Innselset M, Madern D, Birkeland NK.

*Open Biochem J*. 2008;2:129-34. doi: 10.2174/1874091X00802010129. Epub 2008 Sep 27.

[\(abstract\)](#)

**Transmembrane protein 18 enhances the tropism of neural stem cells for glioma cells.**

Jurvansuu J, Zhao Y, Leung DS, Boulaire J, Yu YH, Ahmed S, Wang S.  
*Cancer Res.* 2008 Jun 15;68(12):4614-22. doi: 10.1158/0008-5472.CAN-07-5291.  
[\(abstract\)](#)

**2006**

**A Src homology 3-binding sequence on the C terminus of Sprouty2 is necessary for inhibition of the Ras/ERK pathway downstream of fibroblast growth factor receptor stimulation.**

Lao DH, Chandramouli S, Yusoff P, Fong CW, Saw TY, Tai LP, Yu CY, Leong HF, Guy GR.  
*J Biol Chem.* 2006 Oct 6;281(40):29993-30000. Epub 2006 Aug 7.  
[\(abstract\)](#)

**Amino acids 15–28 in the ectodomain of SARS coronavirus 3a protein induces neutralizing antibodies.**

Akerström S, Tan YJ, Mirazimi A.  
*FEBS Lett.* 2006 Jul 10;580(16):3799-803. Epub 2006 Jun 12.  
[\(abstract\)](#)

**Sprouty 2, an inhibitor of mitogen-activated protein kinase signaling, is down-regulated in hepatocellular carcinoma.**

Fong CW, Chua MS, McKie AB, Ling SH, Mason V, Li R, Yusoff P, Lo TL, Leung HY, So SK, Guy GR.  
*Cancer Res.* 2006 Feb 15;66(4):2048-58.  
[\(abstract\)](#)

**2005**

**An intermediate membrane subfraction in cyanobacteria is involved in an assembly network for Photosystem II biogenesis.**

Duhlmeier R, Hacker A, Widdel A, von Engelhardt W, Sallmann HP.  
*Am J Physiol Regul Integr Comp Physiol.* 2005 Jul;289(1):R187-97. Epub 2005 Apr 7.  
[\(abstract\)](#)

**2003**

**Posttranscriptional Control of Renin Synthesis Identification of Proteins Interacting With Renin mRNA 3'-Untranslated Region.**

Skalweit A, Doller A, Huth A, Kähne T, Persson PB, Thiele BJ.  
*Circ Res.* 2003 Mar 7;92(4):419-27. Epub 2003 Jan 30.  
[\(abstract\)](#)

**2002**

**The insulin receptor substrate IRSp53 links postsynaptic shank1 to the small G-protein cdc42.**

Soltau M, Richter D, Kreienkamp HJ.  
*Mol Cell Neurosci.* 2002 Dec;21(4):575-83.  
[\(abstract\)](#)

**Association of DNA Polymerase  $\mu$  (pol  $\mu$ ) with Ku and Ligase IV: Role for pol  $\mu$  in End-Joining Double-Strand Break Repair.**

Mahajan KN, Nick McElhinny SA, Mitchell BS, Ramsden DA.  
*Mol Cell Biol.* 2002 Jul;22(14):5194-202.  
[\(abstract\)](#)

**In vivo properties of an anti-GnRH Spiegelmer: an example of an oligonucleotide-based therapeutic substance class.**

Wlotzka B, Leva S, Eschgfäller B, Burmeister J, Kleinjung F, Kaduk C, Muhn P, Hess-Stumpp H, Klussmann S.  
*Proc Natl Acad Sci U S A.* 2002 Jun 25;99(13):8898-902. Epub 2002 Jun 17.  
[\(abstract\)](#)

**The RAR1 interactor SCT1, an essential component of R gene-triggered disease resistance.**

Azevedo C, Sadanandom A, Kitagawa K, Freialdenhoven A, Shirasu K, Schulze-Lefert P.  
*Science.* 2002 Mar 15;295(5562):2073-6. Epub 2002 Feb 14.  
[\(abstract\)](#)

**2000**

**Differences between antigenic determinants of pig and cat zona pellucida proteins.**

Jewgenow K, Rohleder M, Wegner I.

*J Reprod Fertil.* 2000 May;119(1):15-23.

[\(abstract\)](#)