

Malaria Vaccine's ELISA Kits

The RTS,S malaria vaccines (RTS,S/AS01, RTS,S/AS02A/ RTS,S/AS02D) are in advance stages of human clinical trials. It was initially developed in collaboration with the Walter Reed Army Institute of Research (WRAIR) and GlaxoSmithKline (GSK) Biologicals. The vaccine is now being developed and tested GSK and the PATH Malaria Vaccine Initiative (MVI) and support from the Bill & Melinda Gates Foundation. The RTS,S vaccine candidate is a recombinant protein that fuses a part of the *P. falciparum* circumsporozoite (CS) protein with the hepatitis B surface antigen. Combined with a proprietary GSK adjuvant system, RTS,S induces the production of antibodies and T cells that are believed to diminish the capacity of the malaria parasite to infect, survive, and develop in the human liver. In addition to inducing partial protection against malaria, the RTS,S vaccine candidate is also designed to protect against hepatitis B, a severe form of hepatitis and an important etiological factor in end-stage liver disease and liver cancer.

name	Product Type#	Cat #	Product Description
Malaria	Antibody Kit	970-100-MMG	Mouse Anti-CSP (Circumsporozoite protein) IgG (<i>Plasmodium falciparum</i>) ELISA kit
	Antibody Kit	970-110-MMM	Mouse Anti-CSP protein (Circumsporozoite protein) IgM (<i>P. falciparum</i>) ELISA kit
	Antigen kit	4100	Hepatitis B Surface Antigen (HBsAg) ELISA kit, Quantitative, 96 tests Stds=0-100 ng/ml ; Sample=50 ul; Sensitivity= 3 ng/ml; 75 min assay
	Antibody Kit	4200	Human Anti-Hepatitis B Surface Antigen (HBsAg) Ig's ELISA kit, 96 tests
	Antibody Kit	4210	Mouse Anti-Hepatitis B Surface Antigen (HBsAg) Ig's ELISA kit, 96 tests
	Antibody Kit	970-120-MSP	Mouse Anti-MSP-1 (merozoite surface protein 1) Ig's (<i>P. falciparum</i>) ELISA kit

Malarial parasite specific antibodies and recombinant proteins

Recombinant Proteins (Malaria)

Recombinant (<i>E. coli</i>) Circumsporozoite (CSP) mosaic protein (107-129, 334-351 aa) (<i>P. falciparum</i>) purified	CSPF16-R
Recombinant (<i>E. coli</i>) heat shock protein 70 (hsp70) (<i>P. falciparum</i>) purified	HSPF701-R
Recombinant (<i>E. coli</i>) Circumsporozoite (CSP) antigen (<i>P. falciparum</i>)	CSPF15-R
Recombinant (<i>E. coli</i>) Circumsporozoite (CSP; 353-aa and GST) antigen (<i>P. vivax</i>)	CSPV16-R
Recombinant (<i>E. coli</i>) Histidine rich glycoprotein II (HRP II, <i>P. falciparum</i>)	HRPF25-R
Recombinant (<i>E. coli</i>) merozoite surface protein-1 (MSP-1; <i>P. falciparum</i>)	MSPF15-R
Recombinant (<i>E. coli</i>) merozoite surface protein-1 (MSP-1; 108-aa; <i>P. vivax</i>)	MSPV16-R
Recombinant (<i>E. coli</i>) merozoite surface protein-2 (MSP-2; 460-aa; <i>P. vivax</i>)	MSPV26-R
Recombinant (<i>E. coli</i>) merozoite surface protein-2 (MSP-2; <i>P. falciparum</i>)	MSPF25-R
Recombinant (<i>E. coli</i>) Ring-infected erythrocyte surface antigen (RESA) (<i>P. falciparum</i>)	RESAF15-R
Recombinant (<i>E. coli</i>) Serine-repeat antigen (SERA) <i>P. falciparum</i>	SERA15-R

Antibodies to Malaria Proteins

Mouse Anti-Circumsporozoite (CSP) (<i>P. vivax</i>) IgG, aff pure (different clones)	CSPV11-M & CSPV12-M
Mouse Anti-Histidine rich glycoprotein II (HRP II, <i>P. falciparum</i>) IgG, aff pure #1	HRPF21-M
Mouse Anti-Histidine rich glycoprotein II (HRP II, <i>P. falciparum</i>) IgM, aff pure	HRPF22-M
Mouse Anti-Malaria (clone 1); reacts to <i>P. vivax/falciparum</i>	MFV11-M
Mouse Anti-Malaria (clone 2); <i>P. falciparum</i> specific	MPF13-M
Mouse Anti-Malaria (clone 3); reacts to <i>P. vivax/falciparum</i> specific	MFV12-M
Mouse Anti-Merozoite surface protein-1 (MSP-1; <i>P. falciparum</i>) IgG, aff pure #1	MSPF11-M & MSPF12-M
Mouse Anti-Merozoite surface protein-1 (MSP-1; <i>P. vivax</i>) IgG, aff pure #1	MSPV14-M & MSPV15-M
Mouse Anti-parasite lactate dehydrogenase (pan-pLDH) (different clones) Reacts with <i>P. falciparum</i> and <i>vivax</i>	PLDH21-M & PLDH10-M PLDH11-M & PLDH12-M
Mouse Anti-parasite specific lactate dehydrogenase (pLDH), (<i>P. falciparum</i> specific), clone 2	PLDH22-M
Mouse Anti-parasite specific lactate dehydrogenase (pLDH), (<i>P. ovale</i> specific), clone 14	PLDH14-M
Mouse Anti-parasite specific lactate dehydrogenase (pLDH), (<i>P. vivax</i> specific), clone 3	PLDH31-M
Mouse Anti-S Antigen (Sag) (<i>P. falciparum</i>) IgG, aff pure (different clones)	SAGF11-M & SAGF12-M

Synthetic NANP peptides:

(NANP)5 & (NANP)10