

Malaria Antibodies

In 2020 there were approximately 245 million cases of malaria and about 627,000 deaths, according to the World Health Organization. Approximately one half of the world's population is at risk of being infected with malaria. With these types of statistics the fight against malaria is becoming ever more vital as poverty, natural disasters, and wars threaten to increase the risk. With increasing resistance to all known antimalarial drugs, it is important that a diagnosis of malaria is made before administering treatment. Microscopy and rapid tests that target the plasmodium Lactate Dehydrogenase enzyme (pLDH), which is produced only in cases of active malaria, are the best detection tools. The pLDH rapid tests can also be used to monitor efficacy of treatment, as the level of pLDH in the bloodstream drops as the plasmodium is killed.



Malaria is a disease caused by the Plasmodium parasite. The parasite is transmitted from the bites of infected mosquitoes. Plasmodium parasites quickly multiply in the liver and spread into the red blood cells to eventually restrict the blood supply of vital organs. Malaria can be life-threatening if not treated immediately and is especially likely to kill children whose immune systems are not fully equipped to handle the disease.

Item	Description	Specificity
ABMAL-0421	Monoclonal anti Malaria PAN pLDH	Falciparum, VIVAX, Ovale, Malariae, Knowlesi
ABMAL-0423	Monoclonal anti Malaria PAN pLDH	Falciparum and VIVAX
ABMAL-0424	Monoclonal anti Malaria PAN pLDH	Falciparum, VIVAX, Ovale, Malariae
ABMAL-0434	Monoclonal anti Malaria PAN pLDH	Falciparum, VIVAX, Ovale, Malariae
ABMAL-0436	Monoclonal anti Malaria PAN pLDH	Falciparum, VIVAX, Ovale, Malariae
ABMAL-0422	Monoclonal anti Malaria pf LDH	Falciparum
ABMAL-0438	Monoclonal anti Malaria pf LDH	Falciparum
ABMAL-0433	Monoclonal anti Malaria pv LDH	VIVAX
ABMAL-0404	Monoclonal anti Malaria HRP-II	Histidine Rich Protein-II
ABMAL-0405	Monoclonal anti Malaria HRP-II	Histidine Rich Protein-II
ABMAL-0444	Monoclonal anti Malaria HRP-II	Histidine Rich Protein-II
ABMAL-0445	Monoclonal anti Malaria HRP-II	Histidine Rich Protein-II
ABMAL-0446	Monoclonal anti Malaria HRP-II	Histidine Rich Protein-II
ABMAL-0447	Monoclonal anti Malaria HRP-II	Histidine Rich Protein-II
ABMAL-0448	Monoclonal anti Malaria HRP-II	Histidine Rich Protein-II

The following pairing information is suggested:

Malaria PAN pLDH requires:

ABMAL-0434 conjugate
ABMAL-0423 capture

or

ABMAL-0436 conjugate
ABMAL-0434 capture

Malaria P.falciparum pLDH requires:

ABMAL-0436 conjugate
ABMAL-0438 capture

Malaria P.vivax pLDH requires:

ABMAL-0436 conjugate
ABMAL-0433 capture

Malaria HRP-II requires:

ABMAL-0445 conjugate
ABMAL-0447 capture

or

ABMAL-0445 conjugate
ABMAL-0448 capture