Medix Biochemica

MedixMAB™ ANTIBODIES

2021-04-13

Product specifications

Name	Anti-HRP2 3901 SPTN-5
Specificity	Antibody recognizes *Plasmodium falciparum* histidine-rich protein 2 (HRP2)
Description	Monoclonal mouse antibody, cultured *in vitro* under conditions free from animal-derived components.
Product code	100559
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN_3 as a preservative
Shelf life and storage	36 months from manufacturing at 2–8 °C
Subclass	IgG_1
Analyte description	Malaria is caused by protozoan parasites belonging to the genus *Plasmodium*. The majority of malaria-related deaths are linked to the species *Plasmodium falciparum*. Monoclonal antibodies against *P. falciparum* histidine-rich protein 2 (HRP2) are widely used in malaria rapid diagnostic tests as the parasite secretes substantial amounts of the protein into the host bloodstream.

Parameters tested on each lot

Product appearance	Liquid, may turn slightly opaque during storage
Product concentration	5.0 mg/ml (+/- 10 %)
Immunoreactivity	80–120 % compared to the reference sample in an FIA test
IEF Profile	6.5–7.7
Purity	≥ 95 %

Kinetic parameters

Association rate constant	Not Determined (N/D)
Dissociation rate constant	N/D
Affinity constant	N/D
Determination method	-
Determination antigen	-

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Cross-reactivities

N/D

Epitope

N/D

Pair recommendations

		DETECTION	
		3901	3902
CAPTURE	3901	+	+
	3902	+	-

Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

Platforms tested

FIA

Antigens tested

Recombinant HRP2 antigen, Medix Biochemica 610081

Product stability

TEMPERATURE, TIME	RESULT
-70 °C, 21 days	OK
-20 °C, 21 days	OK
+4 °C, 21 days	OK
+35 °C, 21 days	OK
+45 °C, 7 days	OK

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2–8 °C in the product buffer.

Miscellaneous

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References

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