

## CERTIFICATE OF ANALYSIS

<b>Catalog #:</b>	C66509M	<b>Lot #:</b>	M40339022
<b>Description:</b>	MAb to Malaria pLDH Monoclonal antibody to Malaria Plasmodium Lactate Dehydrogenase (pLDH)		
<b>Source:</b>	Mouse Ascites		
<b>Specificity:</b>	Plasmodium Lactate Dehydrogenase (pLDH)	<b>DOM:</b>	09 NOV 2021
<b>Immunogen:</b>	Recombinant pLDH from <i>Plasmodium knowlesi</i>		
<b>Format:</b>	Purified, Liquid	<b>Exp. Date:</b>	09 NOV 2026
<b>Purification:</b>	Protein A Chromatography Product is 0.2 µm filtered		
<b>Isotype:</b>	Specification for predominant Isotype: IgG <sub>2b</sub> , kappa Testing Results: IgG <sub>2b</sub> , Kappa		
<b>Purity:</b>	SDS-PAGE (reduced) Acceptable Range: ≥ 90% Testing Results: 99.7 %  SDS-PAGE (non-reduced) Acceptable Range: ≥ 90% Testing Results: 96.7 %		
<b>Protein Concentration:</b>	UV-VIS 280nm Assay ( $E^{0.1\%} = 1.4$ ): Acceptable Range: 4.0 – 6.0 mg/mL Testing Results: 4.91 mg/mL		
<b>Buffer:</b>	Phosphate Buffered Saline, pH 7.0 – 7.4		
<b>Preservative:</b>	0.05% Sodium Azide		
<b>Applications:</b>	Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.		
<b>Storage:</b>	Short term (up to 7 days) store at 2-8 °C. Long term, aliquot and store at -20 °C. Avoid multiple freeze/thaw cycles.		
<b>Safety Note(s):</b>	Refer to the appropriate Safety Data Sheet (SDS) for additional information		

Quality Signature:



24 November 2021

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**