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**High concentration**


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**High purity**


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**His-Tagged**


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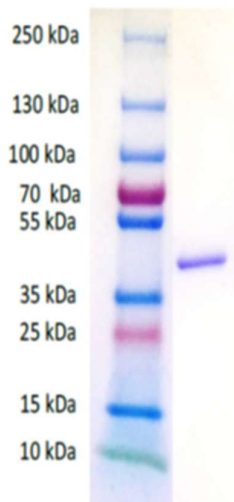
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**Formulation on request**


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**Analytical :**


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- 1** Western Blot/Dot Blot
  - 2** ELISA
  - 3** Lateral flow assay control
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**Pk pLDH in solution**

- \* A130112-08 : 1mg/ml

**Pk pLDH Lyophilised**

- \* A130112-08 - L : 0,1mg/vial

**Other quantities and buffer  
available on request**

**Background**

Malaria is the most lethal parasitic disease in the world, annually affecting approximately 500 million people and resulting in 800,000 deaths, mostly in African sub-Saharan countries [1]. The disease is transmitted most commonly by an infected female *Anopheles* mosquito. Five species of *Plasmodium* can infect and be spread by humans.[2] Most deaths are caused by *P. falciparum* because *P. vivax*, *P. ovale*, and *P. malariae* generally cause a milder form of malaria [2] [3]. Malaria is typically diagnosed by the microscopic examination of blood films, or with antigen-based rapid diagnostic tests [2]. There are currently over 20 such tests commercially available (WHO product testing 2008). Antigens suitable as target for Rapid Diagnostic Tests (RDTs) are Glutamate dehydrogenase (pGluDH), Histidine Rich Protein

**Product**

*P. Knowlesi* lactate dehydrogenase (Pow LDH) is a oxidoreductase [EC 1.1.1.27]. It is the last enzyme of the glycolytic pathway, essential for ATP generation and one of the most abundant enzymes expressed by *P. Knowlesi* (*Plasmodium* LDH (pLDH) from *P. Falciparum*, *P. Vivax*, and *P. Malariae*) exhibit 90-92% identity to PvLDH from *P. Knowlesi*.

**Technical data**

This protein is recombinant *Plasmodium Knowlesi* L-lactate dehydrogenase expressed in *Escherichia coli*. It is purified by Immobilized metal ion affinity chromatography.

The protein theoretical size is 36Kda.

This protein is 6 His tagged.

**Application**

This product can be used by RDT manufacturers.

**Literature**

- 1 W.H.O. (2010) World Malaria Report 2010.