

# Bioassayplus Inc.

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## Certificate of Analysis

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Product name:** Recombinant *Wuchereria Bancrofti* Wb123

**Catalog #:** Wb123

**Description:** Lymphatic filariasis (LF) is a parasitic disease caused by nematode worms belonging to the genera *Wuchereria* or *Brugia* and transmitted by mosquitos. It affects over 150 million people worldwide and 90% of the reported cases are attributed to *W. bancrofti*. LF is the second cause of chronic global deformity, responsible for 15 million people with lymphedema (elephantiasis) and 25 million men with scrotal hydrocele.

*Wuchereria* wb123 has been identified as an important serological marker to react to the specific antibody present in Lymphatic filariasis. This antigen is has been used in rapid lateral flow immunoassay to detect the specific antibody present in Lymphatic filariasis.

Recombinant full length *Wuchereria* Wb123 is expressed from *E. coli* containing N-terminal his tag, migrating at 43kDa on 10% SDS-PAGE gel with 95% in purity.

**Source:** *E. coli*

**Format:** Purified, Liquid

**Purification:** >95% pure (10% SDS-PAGE, Coomassie staining) and proprietary chromatographic technique

**Concentration:** 1mg/ml (Lot 072024)

**Buffer:** PBS with 25mM K<sub>2</sub>CO<sub>3</sub> with 6M urea

**Applications:** Immunoassay

**Storage:** Upon receipt, store at -20°C. Avoid multiple freeze/thaw cycles



10% SDS-PAGE,  
43kDa, 8-22-2024