

WB123 Wuchereria

Wb123 Wuchereria Bancrofti Recombinant

RCP2574

Product Overview

Name

WB123 Wuchereria

Description

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Background

One of the key antigens associated with *Wuchereria bancrofti* is Wb123, a protein that has emerged as a potential diagnostic marker for early infection and a target for vaccine development. Wb123 is a highly immunogenic protein that elicits a strong antibody response in individuals infected with *Wuchereria bancrofti*. Recombinant Wb123 is utilized in serological assays to detect specific IgG4 antibodies, which are indicative of active infection, particularly in the early stages before clinical symptoms manifest. Studies using rWb123 have demonstrated its high sensitivity and specificity, making it a valuable tool for diagnosing lymphatic filariasis and monitoring the effectiveness of mass drug administration (MDA) programs aimed at eliminating the disease.