**Ag85A Recombinant Protein Reference Standard**

**Catalog No. NR-14871**

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**For research use only. Not for human use.**

**Contributor and Manufacturer:** NIH - TB Vaccine Testing and Research Materials Contract

**Product Description:**

NR-14871 is a recombinant form of the antigen 85 complex A (Ag85A) protein. The recombinant protein consists of the native protein sequence in addition to a hexa-histidine tag. The recombinant protein was expressed in *Escherichia coli* and purified using standard chromatographic techniques followed by endotoxin removal procedures.

Ag85A is one of three components (Ag85A, Ag85B, Ag85C) of the secreted immunodominant 30-32 kDa Antigen 85 Complex present in the culture filtrate of *Mycobacterium tuberculosis* (*M. tuberculosis*). Each of the three proteins are involved in cell wall formation and have been linked to disease pathogenesis through their fibronectin-binding abilities. Antigen Ag85A induces strong T-cell proliferation and interferon-γ in individuals infected with *M. tuberculosis.*

Note: This protein is provided as a reference standard and should be ordered with the corresponding plasmid (pMRLB.41; NR-13292).

**Material Provided:**

Each vial contains approximately 1 mg of lyophilized NR-14871 in 10 mM ammonium bicarbonate. Some lots of NR-14871 may have been vialized by ATCC® rather than by Colorado State University under the TB Vaccine Testing and Research Materials Contract. At ATCC®, the material provided by Colorado State University was rehydrated, aliquoted into vials and lyophilized.

**Packaging/Storage:**

NR-14871 was packaged aseptically in cryovials. The product is provided frozen on dry ice and should be stored at -80°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Ag85A Recombinant Protein Reference Standard, NR-14871."

**Biosafety Level:** 1


**Disclaimers:**

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**References:**

1. Tuberculist: Rv3804

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