bs-13107R **[Primary Antibody]**

esxA Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

Target: esxA

Immunogen: KLH conjugated synthetic peptide derived from Mycobacterium tuberculosis ESAT6: 21-95/95.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Antigen 85B is the most abundant protein expressed by Mycobacterium tuberculosis (about one quarter). It is a myocolyc transferase in the myc pathway and catalyses - like Ag85A and Ag85C - the transfer of the fatty acid mycolate from one trehalose monomycolate to another, resulting in trehalose dimycolate and free trehalose and helping build the cell wall.

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Mycobacterium tuberculosis, Mycobacterium szulgai, Mycobacte)

Predicted MW.: 10 kDa

Subcellular Location: Secreted

SELECTED CITATIONS

- **[IF=4.421]** Tomoko Ito. et al. Microbial Antigen-Presenting Extracellular Vesicles Derived from Genetically Modified Tumor Cells Promote Antitumor Activity of Dendritic Cells. Pharmaceutics. 2021 Jan;13(1):57 FCM ;Mouse. 33406722
- **[IF=4]** Xueqian Chen. et al. Diagnostic value of tuberculosis-specific antigens ESAT-6 and CFP10 in lymph node tuberculosis. HELIYON. 2024 Apr;10: IHC ;Human. 38638946
- **[IF=1.64]** Koyama, Yoshiyuki, et al. "Exosomes derived from tumor cells genetically modified to express Mycobacterium tuberculosis antigen: a novel vaccine for cancer therapy." Biotechnology Letters (2016): 1-10. ICC ;="Mouse". 27484689