bs-13107R

[Primary Antibody]

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esxA Rabbit pAb

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%

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 10 kDa MW.:

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