

Anti-HSP65 [G8] Bulk size M Ab03592-1.29-BS

This is a Fab fragment with a his-tag.

This chimeric mouse antibody was made using the variable domain sequences of the original scFv format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse Fab fragment, His-Tagged, Lambda

Clone Number: G8

Alternative Name(s) of Target: Chaperonin-60 2; Heat shock protein 65; Chaperonin GroEL 2; 60 kDa chaperonin 2; 65 kDa antigen; Antigen A; Cell wall protein A

UniProt Accession Number of Target Protein: P0A521

Published Application(s): WB, ELISA

Published Species Reactivity: Mycobacterium bovis

Immunogen: This antibody was generated by panning a phage displayed repertoire derived from the immunoglobulin genes of the chicken against HSP65.

Specificity: This antibody is specific for the HSP65 protein from Mycobacterium bovis. Together with its co-chaperonin GroES, HSP65 plays an essential role in assisting protein folding. Mycobacterium bovis is the causative agent of tuberculosis in cattle.

Application Notes: An ELISA was performed using the scFv version of this antibody on HSP65 to determine how efficiently the antibody can bind the antigen. Furthermore, an immunoblot was performed on HSP65 using this antibody (Wemmer et al, 2010; pmid:20299243).

Antibody First Published in: Wemmer et al. Chicken scFvs and bivalent scFv-C(H) fusions directed against HSP65 of Mycobacterium bovis. Biologicals. 2010 May;38(3):407-14. [PMID:20299243](#)

Note on publication: Two chicken single-chain variable region antibody fragments (scFvs) that recognised the 65 kDa heat-shock protein (HSP65) of Mycobacterium bovis were selected from a large semi-synthetic phage displayed library. Both recognised HSP65 in indirect enzyme-linked immunosorbent assay (ELISA) and immunoblots and retained their activity during storage.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Purified by Immobilized Metal Affinity Chromatography

Supplied In:

PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: See vial label

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.