Anti-Ganoderic acid A [12 A] Standard Size Ab01001-2.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This reformatted mouse antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG2a, Fc Silent™, Kappa
Clone Number: 12 A
Alternative Name(s) of Target: GAA; 12A; 12-A
UniProt Accession Number of Target Protein:
Published Application(s): ELISA
Published Species Reactivity: Ganoderma
Immunogen: BALB/c mice were immunised by injection of ganoderic acid A-BSA conjugates. Splenocytes were obtained from immunised mice and fused with SP2/0 murine myeloma cells to generate hybridomas.
Specificity: mAb 12 A was shown to react with ganoderic acid A using indirect and competitive ELISAs (Sakamoto et al, 2016). It was also shown that mAb 12 A did not cross react significantly with 32 other types of Ganoderma triterpenoids. Ganoderic acid A is one of the main bioactive triterpenoids in the Ganoderma genus of medicinal mushrooms, traditionally used in medicine.
Application Notes: mAb 12 has been used in both indirect and competitive ELISAs, using 33 different types of Ganoderma triterpenoid including ganoderic acid A (Sakamoto et al, 2016). More recently, mAb 12 has been reformatted as a scFv fragment and applied in ELISAs for detection of ganoderic acid A (Sakamoto et al, unpublished).
Antibody First Published in: Sakamoto et al. Detection of Ganoderic Acid A in Ganoderma lingzhi by an Indirect Competitive Enzyme-Linked Immunosorbent Assay. Planta Med. 2016 May;82(8):747-51. PMID:27093250
Note on publication: Describes the generation of the anti-ganoderic acid A mAb 12 A, and preliminary characterisation of its reactivity using Ganoderma triterpenoids by ELISAs.

Product Form

Size: 200 µg Purified antibody.
Purification:

Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
Concentration: 1 mg/ml.

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