

## Anti-PSK [5G5] Standard Size Ab02643-1.1

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

**Isotype and Format:** Mouse IgG1, Kappa

**Clone Number:** 5G5

**Alternative Name(s) of Target:** Polysaccharide-K; Krestin; beta-glucan  $\beta$ -1->4 main chain with  $\beta$ -1->3 and  $\beta$ -1->6 side chains

**UniProt Accession Number of Target Protein:**

**Published Application(s):** WB, ELISA, IHC

**Published Species Reactivity:** Trametes versicolor

**Immunogen:** The original antibody was generated by immunizing a mouse with the PSK antigen.

**Specificity:** The antibody is specific for the PSK protein and doesn't bind to other glucans having a similar structure.

**Application Notes:** ELISA was performed on PSK using this antibody (WO2012077737) (Hoshi et al, 2011; pmid:21249323). Tumor, liver and spleen tissues were used for immunohistochemistry using this antibody (Hoshi et al, 2011; pmid:21249323). This antibody was used for western blot on PSK protein (Hoshi et al, 2011; pmid:21249323).

**Antibody First Published in:** Hoshi et al. Anti-protein-bound polysaccharide-K monoclonal antibody binds the active structure and neutralizes direct antitumor action of the compound. Oncol Rep. 2011 Apr;25(4):905-13. [PMID:21249323](#)

**Note on publication:** we investigated whether PSK reaches tumor and immune tissues with its active structure remaining intact, and the direct action of PSK was evaluated by its antitumor effects against MethA fibrosarcomas implanted in immunodeficient NOD/SCID mice.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**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.