



# ANOGEN - A Division of YES Biotech Laboratories Ltd.

2355 Derry Road East, Unit 23, Mississauga, ON, Canada L5S 1V6 • Tel: (905) 677-9221 • Fax: (905) 677-0023

## Mouse Anti-Human Free PSA Monoclonal Antibody Datasheet

**Product Name:** mAb anti-human Free PSA

**Clone No.:** 103

**Catalogue No.:** MO-T40052A

**Quantity:** 0.5 mg/vial

**Description:** Mouse monoclonal antibody to human free prostate specific antigen (fPSA)

**Purification:** Protein G affinity purified

**Product Type:** Primary antibody- **Detection** antibody in matched antibody pair

**Target Protein:** Human free PSA

**Immunogen:** Purified human PSA

**Fusion Myeloma:** Sp2/0-Ag14

**Specificity:** This monoclonal antibody reacts with both complexed and free human PSA.

**Species Reactivity:** Human, others not tested

**Cross- Reactivity:** Cross-react with complexed human PSA

**Host / Isotype:** Mouse, IgG2a Kappa

**Formulation:** Lyophilized from a solution in 0.01M PBS, pH 7.0, 0.05% sodium azide

**Reconstitution:** Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.

**Storage:** Store at -20°C

**Research Area:** Oncology

**Background:** Free prostate specific antigen (fPSA) is the unbounded form of PSA. Study has shown that low percentage of fPSA in total PSA (tPSA) is associated with high risk of prostate cancer. Using percentage of fPSA in tPSA can enhance the predication of prostate cancer and avoid unnecessary biopsies in prostate screen.

**Applications:** **ELISA:** This monoclonal antibody, when conjugated with HRP, can be used as detection antibody in a sandwich ELISA for human free PSA detection in combination with a free PSA specific capture antibody (Cat. No.: MO-T40052B).

**References:** If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

This product is for **LABORATORY RESEARCH USE** and further manufacture **ONLY**, and cannot be administrated to human and animals for use in diagnostic and therapeutic procedures.

Manufactured by ANOGEN - A Division of YES Biotech Laboratories Ltd.