



## ANOGEN - A Division of YES Biotech Laboratories Ltd.

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### Mouse Anti-Human PSMA Monoclonal Antibody Datasheet

**Product Name:** mAb anti-human PSMA

**Clone No.:** 7F3

**Catalogue No.:** MO-T40086D

**Quantity:** 0.5 mg/vial

**Description:** Mouse monoclonal antibody to human Prostate Specific Membrane Antigen (PSMA)

**Purification:** Protein G affinity purified

**Product Type:** Primary antibody

**Target Protein:** Human Prostate Specific Membrane Antigen (PSMA)

**Immunogen:** Crude membrane protein extraction from PSMA expression LNCap cells, and a PSMA derived peptide (ESKVDPSKA) coupled with KLH.

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

**Specificity:** This antibody is reactive to PSMA expression LNCap cells and the KLH conjugated PSMA peptide.

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

**Cross-Reactivity:** Little or no cross-reactivity to KLH and BSA.

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

**Formulation:** Lyophilized from a solution in 0.01M PBS, pH 7.0

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

**Storage:** Store at -20°C

**Research Area:** Oncology

**Background:** Prostate specific membrane antigen (PSMA) is a type II trans-membrane glycoprotein found in the epithelium of prostate. It is also detectable in duodenal mucosa, renal tubules and some neuroendocrine cells. In other normal tissue, PSMA expression is not detectable. Because the expression of this membrane is elevated in malignant prostate tumor, PSMA has been used as a marker as well as a therapeutic target for prostate cancer. Elevated PSMA expression has also been identified in metastases of lymph nodes.

**Applications:** **Indirect ELISA:** This antibody is reactive to PSMA expressing LNCap cells coated ELISA plate.

Other application has not been evaluated.

**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.

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