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HRP Conjugated Mouse Anti-Human Free PSA Monoclonal Antibody Datasheet

Product Name: HRP conjugated mAb anti-human Free PSA

Clone No.: 103

Catalogue No.: MO-T40052T

Quantity: 0.2 mL/vial

Description: Horseradish peroxidase (HRP) conjugated mouse monoclonal antibody to human free prostate specific antigen (fPSA)

Purification: Protein G affinity purified

Product Type: **Tracer** antibody in matched antibody pair, HRP conjugated.

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

Storage Buffer Formulation: Mixture of 50% glycerol and 50% PH7.2 0.01M PBS. Final PH = 7.0 \pm 0.1.

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) in blood samples is associated with high risk of prostate cancer. Using percentage of fPSA in tPSA can better predicate prostate cancer than using tPSA alone, thus, the rate of unnecessary biopsies in prostate cancer screening can be reduced.

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

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.

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