ImmunoBioScience Corp. (IBSC) *DATA SHEET*Prostate Specific Antigen (PSA) Polyclonal rabbit-anti-human

**Catalog number:** RP-4010-01 0.5 ml Concentrated IgG 2.0 mg/ml

RP-4010-02 1.0 ml Concentrated IgG 2.0 mg/ml

RP-4010-04 7.0 ml Prediluted for IHC IgG ~8µg/ml

**Buffer** Total IgG purified by Protein A column is supplied with 1% BSA in PBS with 0.05% azide, pH 7.4. The Prediluted antibody is supplied in our Universal antibody dilution buffer (AR-6526) green in color.

**Description**: **Prostate specific antigen** (**PSA**) is a protein produced by the cells of the prostate gland. PSA is present in small quantities in the serum of normal men, and is often elevated in the presence of prostate cancer and in other prostate disorders. A blood test to measure PSA is the most effective test currently available for the early detection of prostate cancer. Higher than normal levels of PSA are associated with both localized and metastatic prostate cancer Prostate specific antigen (PSA), also known as is a 34 kDa glycoprotein manufactured almost exclusively by the prostate gland. Biochemically it is a serine protease enzyme (kallikrenin family), the gene of which is located on the nineteenth chromosome (19q13)..**This antibody reacts with prostate ductal epithelium in both normal and malignant prostate tissue.**

**Intended Use**: Immunohistochemistry (IHC) and Immunocytchemistry (ICC)

**Storage**: 2-8°C

**Epitope:** not known

**Molecular weight of antigen:** 34 kDa

**Immunogen:** .Purified human PSA

**Species reactivity:** Human, others not tested.

**Cellular Localization:** Cytoplasmic

**Recommended positive control:** Human normal or malignant prostate tissue

**Application:** IHC, ICC (frozen or formalin–fixed paraffin-embedded (FFPE) tissue sections, cell smears) 1:50-1:200 using streptavidin-Biotin system or polymer system. Prediluted antibody is used directly without dilution. The optimum dilution should be determined by the individual lab.

**General References**

1. Riesenberg, R et. al. Histochemistry 99: 61-66, 1993
2. Meng, FJ et.al. Cancer Epidemiology. Biomarkers Prev. 11: 305-309, 2002
3. Stenman, U-H et. al. Cancer Biol. 9:83-93, 1999.

**Limitation and warranty:** Our warranty is limited to the actual price paid for the product. We are not liable for any property damage, personnel injury, time, effort or economic loss due to our product.

**MSDS:** This product contains 0.05 % sodium azide as a preservative, appropriate care should be taken in handling. National Institute of Occupational Safety and Health has warning that sodium azide can react with lead, copper, brass or solder in the plumbing system and forms hydrazoic acid in acidic condition. Discard with copious amount of water. Avoid skin and eye contact with all laboratory products. Use appropriate lab. gear, lab coat , gloves and safety glasses. Do not ingest any lab. products. This product is not approved for administration in human or animals.

---------------------------------------------------------------------------------------------------------------------------------

**For research use only; not for use in diagnostic procedures. FOR IN VITRO LABORATORY USE ONLY**

**“*In vitro* laboratory products for research”**

Phone: + 425 367 4601; Fax: + 425 367 4817; cell (mobile) phone: + 425 314 0199

Marketing phone: + 650 343 IBSC (4272); e-mail:anitaIBSC@aol.com

Web site: [www.immunobioscience.com](http://www.immunobiosci.com); E-mail: [baderbo@gmail.com](mailto:baderbo@gmail.com)

PRODUCT OF USA