ImmunoBioScience Corp. (IBSC) *DATA SHEET*

Pancreatic Cancer Associated Antigen-4 (PCAA-4) Mouse Monoclonal Antibody (MMAb) anti-human

**Catalog number:** MM-1044-01 0.5 ml Concentrated IgG1 0.2 mg/ml

MM-1044-02 1.0 ml Concentrated IgG1 0.2 mg/ml

**Buffer:** Sepharose 4B purified antibodies are supplied with 1% BSA in PBS with 0.05% azide, pH 7.4.

**Description**: **Pancreatic cancer** is a malignant neoplasm originating from transformed cells arising in tissues forming the pancreas. The most common type of pancreatic cancer, accounting for 95% of these tumors, is adenocarcinom (tumors exhibiting glandular architecture on light microscopy) arising within the exocrine component of the pancreas. A minority arises from islet cells, and is classified as neuroendocrine tumors.

This Pancreatic Cancer Associated Antigen-4 (PCAA-4) antibody was made with xenograph mucin of pancreatic from cell line SW1990.

**Storage**: 2-8°C

**Clone**: PCAA-4 **Isotype:** IgM/κ

**Epitope:** Carbohydrate

**Molecular weight of antigen:**

**Immunogen:** Mucins purified from xenograph of pancreatic cell line SW1990

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

**Cellular Localization:** cytoplasmic, glandular cell membrane. Reacts with normal pancreas (acinar cells, duct luminal content, apical membrane and cytoplasmic ductal cells. Breast cancer reacts with this antibody.

**Recommended positive control:** Human pancreatic cancer.

**Application:** IHC, ICC (frozen (methanol fixed), cell smears. For IHC dilute conc. antibodies 1:50-1:100, use streptavidin~biotin system or polymer system, incubate 30 minutes at room temperature (RT).

***The optimum dilution should be determined by the individual lab.***

**General References**

1. Metzgar,R S etal Proc. Natl. Acad. Sci., USA, 81: 5242-5246, 1984
2. Chung, Y S etal Cancer, 60: 1636-1643, 1987.
3. Ho J L etal Cancer Res. 48: 3924-3931, 1988
4. Nardelli, J etal Pancreas, 3: 631-641, 1988
5. Ho J L etal Cancer res. 51: 372-380, 1991

**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 laboratory gear, coat, gloves and safety glasses. Do not ingest any laboratory products. This product is not approved for administration in human or animals.

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

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

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