ImmunoBioScience Corp. (IBSC) *DATA SHEET*

Alpha Fetoprotein (AFP), Polyclonal rabbit-anti-human

**Catalog number:** RP-4017-01 0.5 ml Concentrated Total IgG 2.0 mg/ml

RP-4017-02 1.0 ml Concentrated Total IgG 2.0 mg/ml

RP-4017-04 7.0 ml Prediluted for IHC Total IgG 10 µg/ml

**Buffer** Total IgG is purified by Protein A column and 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**: Alpha fetoprotein (AFP) is a 70 kDa glycoprotein (700 aa) produced by the yolk sac, liver and intestinal tract during fetal life. **AFP is a useful marker for detection of numerous developmental defects (open neural tube defect), hepatocarcinoma and endodermal sinus tumor** **(germ cell and yolk sac).** Traces of AFP are found in normal adult sera and in greater concentrations in maternal, fetal and amniotic fluid.

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

**Storage**: 2-8°C

**Epitope:** not determined.

**Molecular weight of antigen:** 70 kDa.

**Immunogen:** Synthetic peptide (proprietary)

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

**Cellular Localization:** Cytoplasmic

**Recommended positive control:** Human fetal liver, tonsil, hepatocellular carcinoma

**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. Morinaga, S et. al. Archives of Pathology and Lab. Medicines. 120: 687-691, 1996
2. Jacobson, GK et.al. Acta. Path. Microbial. Immunol. Scand. Sec. 91: 165-176, 1983
3. Perrone, T et. al. Am J. Clin. Pathol. 88: 713-717, 1987
4. Nunez, Ea Tumor Biol. 15: 63-71, 1994

**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.

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