ImmunoBioScience Corp. (IBSC) *DATA SHEET*Lysozyme, Polyclonal rabbit-anti-human

**Catalog number:** RP-4018-01 0.5 ml Concentrated IgG 2.0 mg/ml

RP-4018-02 1.0 ml Concentrated IgG 2.0mg/ml

RP-4018-04 7.0 ml Prediluted for IHC IgG 8µg/ml

**Buffer** Protein A purified total IgG 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**: Lysozyme is 129 amino acids, 14.4 kDa enzyme that hydrolyzes 1, 4 beta linkage between N-acetylmuramic acid and N-acetyl glucosamine residue in peptiglycan and between N-acetyl glucosamine’s residues in chitodextrins. It is found in secretions, tears, saliva and mucus. It is also found in Cytoplasmic granules of the polymorphonuclear neutrophils (PMN) and egg whites. It has also been reported in spleen, kidney, lung, WBC and plasma. This antibody labels myeloid cells, histocytes, granulocytes, macrophages and monocyes. It is helpful in detection of myeloid or monocytic nature of acute leukemia.

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

**Storage**: 2-8°C

**Epitope:** not determined.

**Molecular weight of antigen:** 14.4kDa.

**Immunogen:** .Purified human Lysozyme from the urine of patients with monocytic leukemia.

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

**Cellular Localization:** Cytoplasmic

**Recommended positive control:** Human tonsil.

**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. Scheinecker, S et. al. Blood. 86: 4115-4123, 1995.
2. Alvira CM et.al. Am. J. Respir. Crit. Care Med. 175: 805-815, 2007
3. Ansai, S et. al. Am. J Dermatology. 17: 249-258, 1995.
4. Niki, T et.al. General and Diagnostic Pathol. 141: 21-27, 1995

**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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