

bs-0226R**[Primary Antibody]****Bioss**
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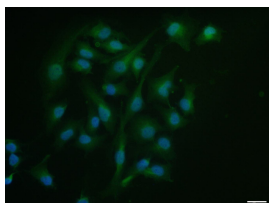
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Thymosin Alpha-1 Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 5757 Target: Thymosin Alpha-1 Immunogen: KLH conjugated synthetic peptide derived from human Thymosin Alpha-1: 2-29/111. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: The thymus gland produces several hormones or hormone-like substances which are derived from a polypeptide precursor containing (in the rat) 113 amino acids and known as prothymosin alpha. A peptide containing 28 amino acid residues, named thymosin alpha 1, was originally isolated from calf thymosin fraction 5 and shown to restore various aspects of immune function in several in vitro and in vivo test systems. Thymosin alpha 1 was subsequently isolated from a similar fraction from human thymosin and reported to have the same amino acid sequence as bovine thymosin alpha 1. Function : Prothymosin alpha may mediate immune function by conferring resistance to certain opportunistic infections.	Isotype: IgG SWISS: P06454	Applications: ICC/IF (1:100) Reactivity: Human (predicted: Mouse, Rat, Cow) Predicted MW.: 12 kDa Subcellular Location: Nucleus
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— VALIDATION IMAGES —

MCF7 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Thymosin Alpha-1) polyclonal Antibody, Unconjugated (bs-0026R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

— SELECTED CITATIONS —

- **[IF=2.42]** Shao, Congwen, et al. "Thymosin alpha-1-transformed Bifidobacterium promotes T cell proliferation and maturation in mice by oral administration." International immunopharmacology (2013). WB ; 23352493