

LYZ Rabbit monoclonal antibody

Catalog: BS9932M

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

The origins of the lysozyme proteins date back an estimated 400 to 600 million years. Generally, lysozyme genes are relatively small, roughly 10 kilobases in length, and composed of four exons and three introns. Originally a bacteriolytic defensive agent, the function of this family of proteins adapted to serve a digestive function in its present forms. Lysozymes in tissues and body fluids are associated with the monocyte-macrophage system and enhance the activity of immunoagents. Lysozyme C belongs to the glycosyl hydrolase 22 family, and newly identified relatives of Lysozyme C appear to possess anti-HIV activity, as well as preserved bacteriolytic function against *Micrococcus lysodeikticus*. Lysozyme C is capable of both hydrolysis and transglycosylation and also a slight esterase activity. It acts rapidly on both peptide-substituted and unsubstituted peptidoglycan, and slowly on chitin oligosaccharides. Lysozyme C defects are a cause of amyloidosis VIII, also called familial visceral or Ostertag-type amyloidosis.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 17 kDa

Swiss-Prot:

P61626

Purification&Purity:

Protein A affinity purified

Applications:

WB: 1:1000-1:2000

ICC/IF: 1:50-1:200

IHC: 1:200-1:500

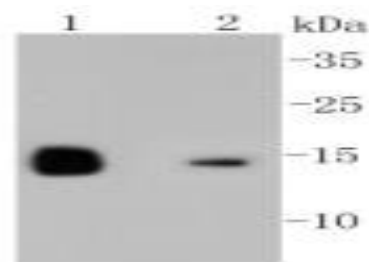
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

This antibody detects endogenous levels of LYZ and does not cross-react with related proteins.

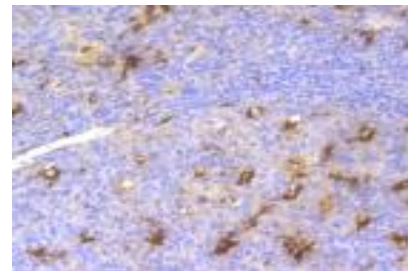
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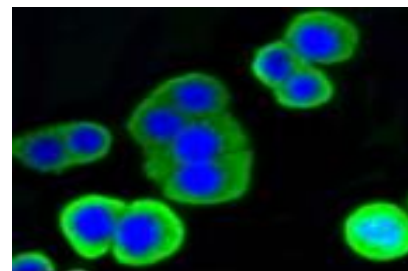
Western blot (WB) analysis of LYZ Rabbit mAb at 1:1000 dilution

Lane1:The kidney tissue lysate of Mouse

Lane2:HL-60 whole cell lysate



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Lysozyme antibody. Counter stained with hematoxylin.



ICC staining Lysozyme in CRC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

Note:

For research use only, not for use in diagnostic procedure.

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