Lysozyme (Histiocytoma &Monocytic Acute Leukemia Marker) Antibody

Mouse Monoclonal Antibody [Clone LYZ/3944]

Catalog No	Format	Size
4069-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4069-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4069-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

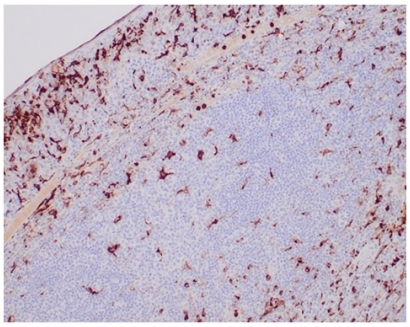
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

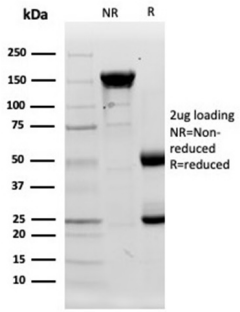
Clone	LYZ/3944
Gene Name	LYZ
Immunogen	Recombinant fragment of human Lysozyme protein (around aa 18-147) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	17kDa
Cellular Localization	Secreted
Species Reactivity	Guinea Pig, Hamster, Human, Mouse, Rat
Positive Control	Human tonsil, lung or kidney., human spleen, mouse spleen, rat spleen, hamster spleen or guinea pig spleen

**Optimal dilution for a specific application should be determined.*

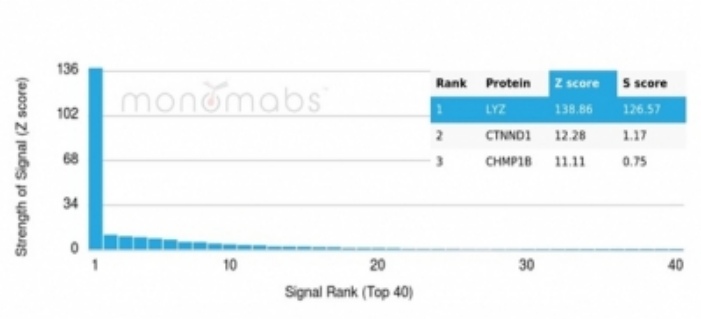
Product Images for Lysozyme (Histiocytoma &Monocytic Acute Leukemia Marker) Antibody

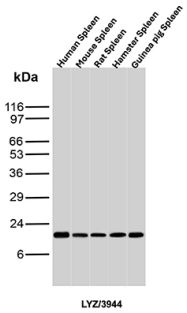


Western blot analysis of human spleen tissue and HepG2 cell lysates using Lysozyme Mouse Monoclonal Antibody (LYZ/3944).

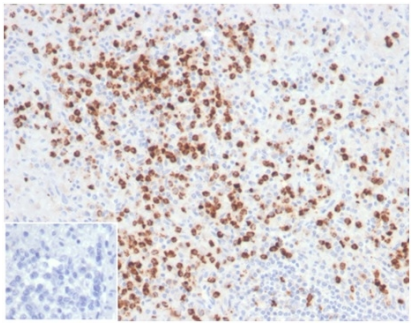


Analysis of Protein Array containing more than 19,000 full-length human proteins using Lysozyme-Monospecific MouseMonoclonal Antibody (LYZ/3944). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.





Western blot analysis of human spleen, mouse spleen, rat spleen, hamster spleen and guinea pig spleen tissue lysates using Lysozyme Mouse Monoclonal Antibody (LYZ/3944).



Formalin-fixed, paraffin-embedded human spleen stained with Lysozyme Mouse Monoclonal Antibody (LYZ/3944). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

Lysozyme is an enzyme, commonly referred to as the body s own antibiotic since it kills bacteria.Natural substrate of lysozyme is the bacterial cell wall peptidoglycan (cleaving the beta[1-4]glycosidic linkages between N-acetylmuramic acid and N-acetylglucosamine). Lysozyme is one of the antimicrobial agents found in human milk, and is also present in spleen, lung, kidney, white blood cells, plasma, saliva, and tears. The protein has antibacterial activity against a number of bacterial species.Lysozyme is synthesized predominantly in reactive histiocytes rather than in resting, unstimulated phagocytes. This antibody labels myeloid cells, histiocytes, granulocytes, macrophages and monocytes. It is helpful in the identification of myeloid or monocytic nature of acute leukemia.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Dendritic Cell Marker, Immunology

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

2 Union Square, Union City, CA 94587, Tel: 1-866-2-NEOBIO (1-866-263-6246)
orders@NeoBiotechnologies.com, www.NeoBiotechnologies.com

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