

Product Datasheet

Plasma Cell Marker Antibody (SPM310) NBP2-34359-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-34359-0.1mg

Plasma Cell Marker Antibody (SPM310)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	SPM310
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-34407) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Species	Human, Rat (Negative)
Reactivity Notes	Does not react with Rat.
Marker	Plasma Cell Marker
Specificity/Sensitivity	It recognizes an intra-cytoplasmic antigen, which shows a very high degree of specificity for plasma cells. This antigen is present in normal as well as neoplastic plasma cells. Plasma cells, which are large lymphocytes derived from an antigen-specific B cell, secrete antibodies and are responsible for humoral immunity. Plasma cells differentiate from B cells upon stimulation by CD4+ lymphocytes. The B cell acts as an antigen-presenting cell (APC), consuming an offending pathogen, which is taken up by the B cell by phagocytosis and broken down within proteosomes. Plasma cells contain basophilic cytoplasm; their nucleus contains heterochromatin organized in a characteristic cartwheel arrangement. This monoclonal antibody superbly recognizes normal and neoplastic plasma cells in routine formalin-fixed, paraffin-embedded tissue sections. It is of potential value in identifying myeloma or plasmacytoma in bone marrow or other tissues. It also helps differentiate lympho-plasmacytoid lymphoma from lymphocytic and follicular lymphoma. Note that this monoclonal antibody is not suitable for staining frozen tissues.
Immunogen	Pancreatic cancer-related mucin

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin 0.1-0.2 ug/ml
Application Notes	Immunohistochemistry (Formalin-fixed): 0.1-0.2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined. Note that this antibody is not suitable for staining frozen tissues.

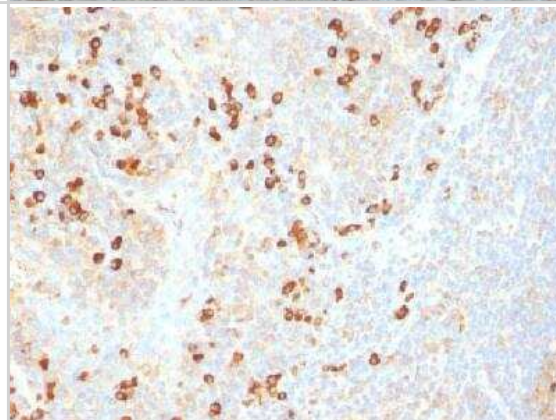


Images

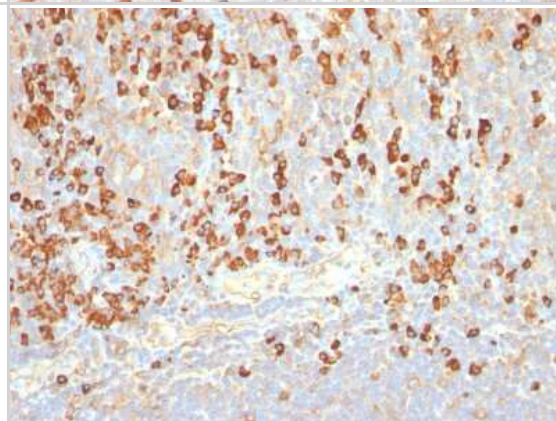
Immunohistochemistry-Paraffin: Plasma Cell Marker Antibody (SPM310) [NBP2-34359] - Human tonsil tissue. Heat induced antigen retrieval in citrate buffer pH 6 at 95C for 20 minutes. Image from verified customer review.



Immunohistochemistry-Paraffin: Plasma Cell Marker Antibody (SPM310) [NBP2-34359] - Formalin-fixed paraffin-embedded human tonsil stained with plasma cell marker Monoclonal antibody (SPM310)



Immunohistochemistry-Paraffin: Plasma Cell Marker Antibody (SPM310) [NBP2-34359] - Formalin-paraffin human tonsil stained with Plasma Cell Marker MAb (SPM310).



Publications

Huang R, Zeng Z, Yan P, et al. Targeting Lymphotoxin Beta and Paired Box 5: a potential therapeutic strategy for soft tissue sarcoma metastasis Cancer cell international 2021-01-04 [PMID: 33397394] (IHC-P)

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Products Related to NBP2-34359-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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