

Plasma Cell Marker Antibody - With BSA and Azide
Mouse Monoclonal Antibody [Clone SPM310]
Catalog # AH10937

Specification

Plasma Cell Marker Antibody - With BSA and Azide - Product Information

Application	,14,
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG2a
Calculated MW	Not Known KDa

Plasma Cell Marker Antibody - With BSA and Azide - Additional Information

Format

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

Storage

Store at 2 to 8°C. Antibody is stable for 24 months.

Precautions

Plasma Cell Marker Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

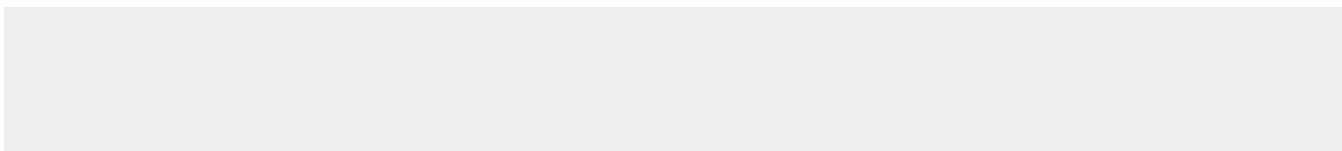
Plasma Cell Marker Antibody - With BSA and Azide - Protein Information

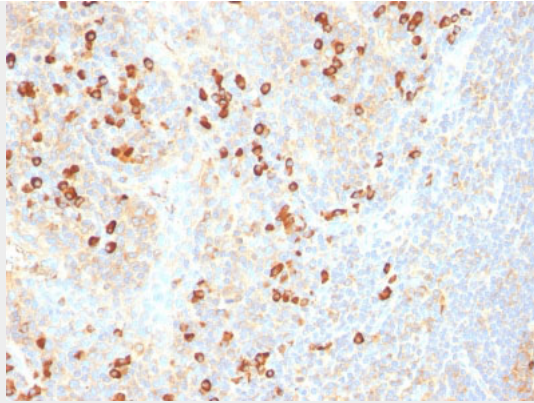
Plasma Cell Marker Antibody - With BSA and Azide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Plasma Cell Marker Antibody - With BSA and Azide - Images





Formalin-fixed, paraffin-embedded human Tonsil stained with Plasma Cell Marker Monoclonal Antibody (SPM310).

Plasma Cell Marker Antibody - With BSA and Azide - Background

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 MAb 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 MAb is not suitable for staining frozen tissues.

Plasma Cell Marker Antibody - With BSA and Azide - References

Turley H et. al. Journal of Clinical Pathology, 1994, 47(5):418-22