

## Biotin (Vitamin B7 or Vitamin H) Antibody

Mouse Monoclonal Antibody [Clone SPM375]

Catalog No	Format	Size
MSM1X-400-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
MSM1X-400-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
MSM1X-400-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

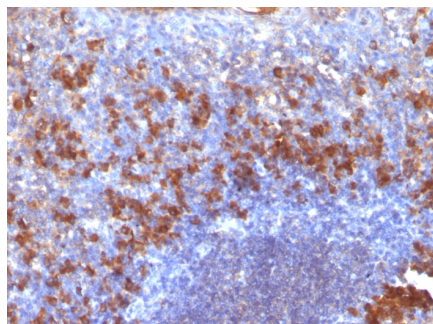
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

<b>Clone</b>	SPM375
<b>Immunogen</b>	Biotinylated sheep immunoglobulin
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	244Da
<b>Cellular Localization</b>	N/A
<b>Species Reactivity</b>	All species
<b>Positive Control</b>	Biotinylated proteins in solution or on tissues.

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

### Product Images for Biotin (Vitamin B7 or Vitamin H) Antibody



Formalin-fixed, paraffin-embedded tonsil stained with biotinylated Lambda Light Chain probe followed by anti-biotin Monoclonal Antibody (SPM375).

### Specificity & Comments

It recognizes both the free and protein-conjugated (either soluble or cell bound) form of biotin. This MAb is highly specific to biotin and shows no cross-reaction with other structurally related compounds. It has a very high affinity for biotin and is excellent for use in various amplification techniques. In some applications, localization of biotinylated probes with avidin produces unacceptably high background staining. Anti-biotin antibody may be substituted to decrease this noise.

### Supplied As

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 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.

### 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.