

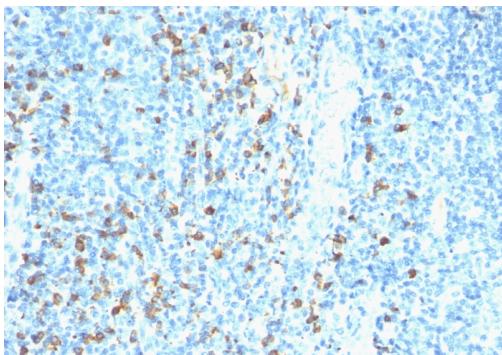
Biotin (Vitamin B7 or Vitamin H)

Mouse Monoclonal Antibody [Clone Hyb-8]

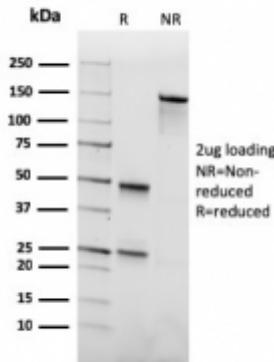
Catalog No	Format	Size	Price (USD)
MSM1-400-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug	219.00
MSM1-400-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug	499.00
MSM1-400-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug	499.00

Human Entrez Gene ID	Not Applicable
Human SwissProt	Not Applicable
Human Unigene	Not Applicable
Human Gene Symbol	Not Applicable
Human Chromosome Location	Not Applicable
Synonyms	Vitamin B7 or Vitamin H

Immunogen	Biotinylated sheep immunoglobulin
Host / Ig Isotype	Mouse / IgG1, kappa
Mol. Weight of Antigen	244Da
Cellular Localization	Depends on the target
Species Reactivity	All species
Positive Control	Biotinylated proteins in solution or on tissues.



Formalin-fixed, paraffin-embedded human tonsil stained with Biotinylated Lambda Light Chain probe followed by Anti-Biotin Mouse Monoclonal Antibody (Hyb-8).



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.

Known Applications & Suggested Dilutions

Confocal Microscopy
In situ Nucleic Acid Hybridization
Flow Cytometry (0.5-1ug/million cells)
Immunofluorescence (0.5-1ug/ml)
Western Blot (0.5-2ug/ml)
Immunohistochemistry (Formalin-fixed) (0.5-1ug/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 95 °C followed by cooling at RT for 20 minutes)
Optimal dilution for a specific application should be determined.

Key References

- Uccellini MB, et al. 2008. J. Immunol. 181:5875.
- Green NM, et al. 2012. J Biol Chem. 287:39789.

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

This antibody is available for research use only and is not approved for use in diagnosis.

Warranty

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.