

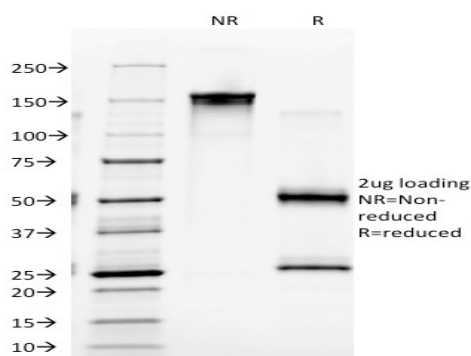
Macrophage & Histiocytoma Marker

Mouse Monoclonal Antibody [Clone D11]

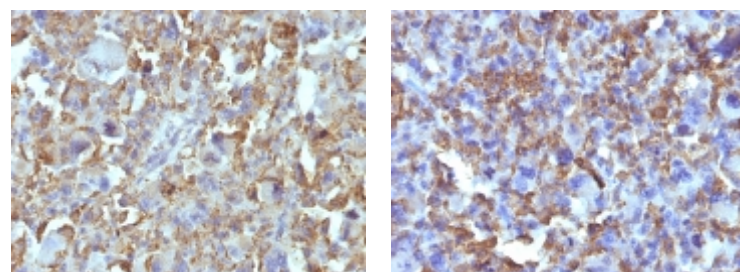
Catalog No	Format	Size	Price (USD)
MSM2-348-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug	219.00
MSM2-348-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug	499.00
MSM2-348-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug	499.00

Human Entrez Gene ID	Not Known
Human SwissProt	Not Known
Human Unigene	Not Known
Human Gene Symbol	
Human Chromosome Location	
Synonyms	Not Known

Immunogen	Membrane preparation from human hepatocytes
Host / Ig Isotype	Mouse / IgG1, kappa
Mol. Weight of Antigen	125kDa -135kDa
Cellular Localization	Cell Surface & Cytoplasmic
Species Reactivity	Human. Does not react with Mouse, Rat or Pig.
Positive Control	Liver or Histiocytoma.



SDS-PAGE Analysis Purified Macrophage Monoclonal Antibody (D11).
Confirmation of Purity and Integrity of Antibody.



Specificity & Comments

In Western blotting, it detects an antigen of 125kDa in human liver and 135kDa in tumors of histiocytic origin. Comparative study of this MAb and a standard CD68 MAb showed that their antigens are different. Its antigen in all macrophage types studied is located on the plasma membrane and within cytoplasmic structures including lysosomes. This MAb shows a restricted reactivity to cells of the monocyte/macrophage system. It specifically reacts with blood monocytes and stains resident macrophages in a wide variety of human tissues. This MAb does not stain antigen-presenting cells, e.g., Langerhans cells. Reportedly, its reactivity is restricted to histiocytes and macrophages.

Known Applications & Suggested Dilutions

Immunohistochemistry (Formalin-fixed) (1-2ug/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 95degC followed by cooling at RT for 20 minutes)
Optimal dilution for a specific application should be determined.

Key References

- Petrovichev NN, et al. Antimacrophage monoclonal antibody D11 in the diagnosis of tumors of histiocytic origin. Acta Cytol. 1997;41(2):357-63.
- Tupitsyn NN, et al. Reactivity of anti-macrophage monoclonal antibody D11 in human leukemia and malignant lymphoma. Int J Cancer. 1996;68(2):160-3.
- Frenkel MA, Tupitsyn NN, Rudinskaia TD, Poltoranina VS, Lebedeva NB, Volkova MA, Kaletin GI. [Use of a new antimacrophage monoclonal antibody D11 in diagnosis of hemoblastosis]. [Article in Russian] Gematol Transfuziol. 1995 Jul-Aug;40(4):13-6.
- Rudinskaya TD, Poltoranina VS, Baranov VN, Petrovichev NN, Voytenkov BO, Tretyakov LO. D11, a novel monoclonal antibody specific for human mature macrophages and peripheral blood monocytes. Immunol Lett. 1992 Jun;33(1):1-7.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% azide. Also available WITHOUT 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.