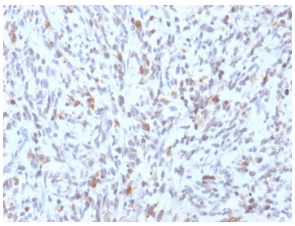
Anti-MyoD1 Antibody [rMYD712] - BSA and Azide free (A252646)

Specifications:

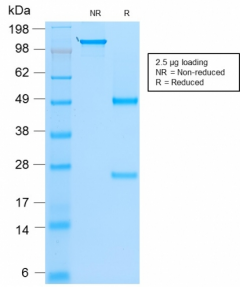
Name:	Anti-MyoD1 Antibody [rMYD712] - BSA and Azide free
Description:	Recombinant mouse monoclonal [rMYD712] antibody to MyoD1.
Specificity:	This antibody recognizes a phosphor-protein of 45kDa, identified as MyoD1. This MAb does not cross react with myogenin, Myf5, or Myf6. Antibody to MyoD1 labels the nuclei of myoblasts in developing muscle tissues. MyoD1 is not detected in normal adult tissue, but is highly expressed in the tumor cell nuclei of rhabdomyosarcomas. Occasionally nuclear expression of MyoD1 is seen in ectomesenchymoma and a subset of Wilms sarcomas and alveolar soft part sarcomas.
Applications:	IHC-P
Recommended Dilutions:	IHC-P: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant full-length human MyoD1 protein.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	rMYD712
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	1 mg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline; without Sodium Azide and carrier free.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation with BSA and Sodium Azide - Anti-MyoD1 Antibody [rMYD712] (A249466).
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

Anti-MyoD1 Antibody [rMYD712] - BSA and Azide free (A252646)

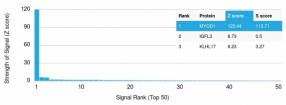
Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human rhabdomyosarcoma using Anti-MyoD1 Antibody [rMYD712].



SDS-PAGE analysis of Anti-MyoD1 Antibody [rMYD712] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-MyoD1 Antibody [rMYD712]. Z-Score and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target; a MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.