

Monoclonal Mouse Antibody to Heregulin/NDF/EGF/Neuregulin

Catalog No.:	Mob 343, Mob 343-05
Intended Use:	This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person(s) when evaluating and interpreting results.
Immunogen:	BALB/C mice were injected with a recombinant extracellular domain of rat NDF protein.
Clone:	7D5
Isotype:	IgG2a
Format:	This antibody is supplied as purified immunoglobulin fraction containing sodium azide as a preservative.
Titer/Working Dilution:	This antibody may be diluted to a titer of 1:50-1:100 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.
Staining Protocol:	We suggest an incubation period of 30 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. <u>Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining.</u>
Positive Control:	Prostate carcinoma
Cellular Localization:	Cytoplasmic, intercellular spaces
Specificity:	This antibody reacts with a 44 kD protein known as Heregulin or <i>neu</i> differentiation factor (NDF). Heregulin binds to e-erbB-3 and c-erbB-4 receptors on mammary and neuronal cells with low and high affinities, respectively. HRG/NDF exists in several isoforms which are classified in two groups, α and β , that differ in their EGF-like domain and receptor binding affinity. This antibody cross reacts with mouse and rat.
Storage:	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
References:	<ul style="list-style-type: none"> i) Holmes et al. Science 256:1205, 1992. ii) Lupa et al. Seminar in Cancer Biology 6: 135, 1995. iii) Peles et al. Cell 69: 205, 1992.

IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

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