

## Monoclonal Antibody to Heregulin / NDF / GGF / Neuregulin

**Catalog No.:** DM343P

**Quantity:** 0.1 mg

**Concentration:** 0.2 mg/ml

**Host / Isotype:** Mouse / IgG2a

**Recommended Isotype Controls:** AM03096PU-N

**Clone:** 7D5

**Immunogen:** Recombinant extracellular domain of rat NDF protein.

**Applications:** Immunoprecipitation (2µg/mg protein lysate, use Protein A). Western blotting (1-2 µg/ml for 2hrs at RT). Immunohistology (Formalin/paraffin: 1-2 µg/ml for 30 min at RT. Staining of formalin/paraffin tissues REQUIRES boiling tissue sections in 10mM citrate buffer, pH 6.0. Recommended positive control: Prostate Carcinoma). Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:** Heregulin (HRG) or Neu Differentiation Factor (NDF) binds to c-erbB-3 and cerbB-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, a and b, that differ in their EGF-like domain and in receptor binding affinity. Reacts with Human, Rat, and Mouse. Others not tested. Cellular Localization: cytoplasmic, Intercellular Spaces.

Mol. Wt of Antigen: 44kD

**Storage:** Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch.

**General Readings:** 1 Lupu, R., et al. (1995) Seminars in Cancer Biology, 6:135-145.  
2 Holmes W, et al. (1992) Scien