R&D® Ab
Research & Diagnostic Antibodies
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Anti-human Leptin $(92\text{-}145)_{cyclized}$ Monoclonal Antibody Clone 2F9-F4

Supplied as the IgM Fraction from Ascites Fluid

MC-5346 Lot # 9379

This purified IgM fraction was isolated from ascites fluid contains mouse monoclonal antibody 2F9-F4 raised against human leptin $(92\text{-}145)_{cyclized}$. The 50 μgm of purified IgM fraction has been packaged in 0.10 ml of 10mg/ml BSA in PBS as carrier protein. This monoclonal antibody has been shown to bind to the carboxyl terminal region of the protein and has been found to bind to intact leptin specifically in ELISAs and by immunocytochemistry.

Monoclonal Antibody Specificity

Polypeptide	% Cross Reactivity
Leptin (Human)	100
Leptin $(92\text{-}145)_{cyclized}$	100
Epidermal Growth Factor (Human)	0
Insulin (Human)	0
Insulin-like Growth Factor 1 (Human)	0
Insulin-like Growth Factor 2 (Rat)	0
Parathyroid hormone (Human)	0
Transforming Growth Factor-alpha (Human)	0

Immunofluorescent Staining of Cells

This monoclonal antibody has been found to stain specifically human adipocytes at a concentration of 0.5 μg/ml. The ability of this monoclonal antibody to bind to leptin in adipocytes was examined in cells fixed with neutral buffered formalin. The fixed cells were incubated for 20 min with 4% normal goat serum, reacted for 60 minutes with the diluted mouse monoclonal antibody, and then with FITC-conjugated goat anti-mouse IgM. The immunofluorescent staining pattern was observed using epifluorescence microscopy.