

**Anti-human Leptin (92-145)_{cyclized} Monoclonal Antibody
Clone 2A4-A1**

Supplied as Ascites Fluid (sterile filtered and sterile packaged)

MC-5342

Lot # 9375

This ascites fluid contains anti-human leptin monoclonal antibody clone 2A4-A1 raised against synthetic human leptin (92-145)_{cyclized}. 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. It has been found to be mouse IgG_{2A} by isotyping. The ascites fluid has been sterile filtered and sterile packaged.

Monoclonal Antibody Specificity

Polypeptide	% Cross Reactivity
Leptin (Human)	100
Leptin (92-145) _{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 1:2000 dilution. 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 IgG. The immunofluorescent staining pattern was observed using epifluorescence microscopy.