

**Anti-human inducible Nitric Oxide Synthase
Monoclonal Antibody 2H11-D11**

Supplied as Culture Supernatant

MC-5215

Lot # 8027

This culture supernatant contains mouse monoclonal antibody clone 2H11-D11 raised against recombinant hiNOS. This monoclonal antibody has been found to stain hiNOS by immunocytochemistry. This monoclonal antibody was tested for recognition of other NOS isoforms by ELISA and immunocytochemical techniques. It has been isotypized as an IgM class antibody. This monoclonal antibody has been found to immunoprecipitate ¹²⁵I-hiNOS by RIA techniques.

Monoclonal Antibody Specificity

Polypeptide	% Cross Reactivity
hiNOS	100
rhiNOS (Type II)	100
rhnNOS (Type I)	0
rheNOS (Type III)	0

Immunofluorescent Staining of Induced Cells

This monoclonal antibody has been found to stain cells induced to produce iNOS at a 1:20 dilution. The ability of this monoclonal antibody to bind to iNOS in fixed cells was examined using two different cell lines, A-172 (a human glioblastoma cell line), and RAW 264.7 (a mouse macrophage cell line). The cells were cultured for 2 day in normal medium and then induced to produce iNOS by treatment for 40 hours with a cytokine/LPS mixture. Following the induction, the cells were washed x 4 and fixed in either 70% or 100% acetone. They were reacted for 120 minutes with the culture supernatant, and then with FITC-conjugated goat anti-mouse IgM. The immunofluorescent staining pattern was observed using epifluorescent microscopy. Specificity for hiNOS has been determined by lack of immunocytochemical staining of cells known to produce either Type I or Type III NOS.