Monoclonal Anti-Angiostatin, clone 79735
produced in mouse, purified immunoglobulin

Catalog Number A0976

Synonym: Anti-Angiostatin Kringle 1-3

Product Description
Monoclonal Anti-Angiostatin (mouse IgG2A isotype) is derived from a mouse hybridoma elicited from a mouse immunized with purified recombinant human angiostatin kringle 1-3, expressed in *Escherichia coli*. The antibody is purified from the IgG fraction of ascites fluid using Protein G chromatography.

Monoclonal Anti-Angiostatin recognizes human angiostatin. The antibody may be used in various immunochemical techniques including immunoblotting. This antibody also recognizes plasminogen but shows no cross-reactivity with recombinant mouse angiostatin.

Angiostatin is a 38 kDa internal proteolytic fragment of plasminogen, containing at least three kringle domains. The kringle domains have specific anti-migratory and anti-proliferative activities. Angiostatin, an endogenous angiogenesis inhibitor, inhibits endothelial cell proliferation *in vitro* and angiogenesis *in vivo*.\(^1\)\(^2\)\(^3\) It is a potent and specific natural inhibitor of angiogenesis and metastatic tumor growth.\(^2\)\(^4\)

Reagent
Supplied as 500 µg of antiserum lyophilized from a 0.2 µm filtered solution of PBS containing 5% trehalose.

Preparation Instructions
To one vial of lyophilized powder, add 1 mL of sterile PBS to produce a 0.5 mg/mL stock solution of antibody.

Precautions and Disclaimer
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability
Prior to reconstitution, store at −20 °C. Reconstituted product may be stored at 2-8 °C for at least one month. For extended storage, freeze at −20 °C in working aliquots. Repeated freezing and thawing, or storage in “frost-free” freezers, is not recommended.

Product Profile
Immunoblotting: a working concentration of 1-2 µg/mL is recommended. The detection limit for recombinant human angiostatin is ~5 ng/lane and 2 ng/lane under non-reducing and reducing conditions, respectively.

Note: In order to obtain the best results using various techniques and preparations, we recommend determining optimal working dilutions by titration.

References