Anti-EMMPRIN
Developed in Goat
Affinity Isolated Antibody
Product Number E 4154

Product Description
Anti-Mouse EMMPRIN is developed in goat using a purified recombinant mouse extracellular matrix metalloproteinase inducer (EMMPRIN) extracellular domain (amino acids 22-209) expressed in mouse myeloma NSO cells as immunogen. Affinity isolated antigen specific antibody is obtained from goat anti-EMMPRIN antiserum by immuno-specific purification which removes essentially all goat serum proteins, including immunoglobulins, which do not specifically bind to the peptide.

Anti-Mouse EMMPRIN recognizes recombinant mouse EMMPRIN by immunoblotting (approximately 58 kDa) and ELISA. The antibody shows approximately 5% cross-reactivity (in immunoblotting) with recombinant human EMMPRIN.

EMMPRIN (extracellular matrix metalloproteinase inducer), also called CD147, basigin, and M6 in humans, is a member of the immunoglobulin superfamily. Murine basigin/EMMPRIN and human M6/EMMPRIN have similar MMP-inducing activities and are functional homologs. It is a glycoprotein containing two immunoglobulin domains. EMMPRIN is present on the surface of tumor cells and macrophages and stimulates fibroblasts to produce matrix metalloproteinases (MMPs).

Reagent
Anti-Mouse EMMPRIN is supplied as approximately 100 µg of antiserum lyophilized from a 0.2 µm filtered solution of phosphate buffered saline.

Preparation Instructions
To one vial of lyophilized powder, add 1 ml of sterile phosphate buffered saline to produce a 0.1 mg/ml stock solution of antibody.

Storage/Stability
Prior to reconstitution, store at −20 °C. Reconstituted product may be stored at 2-8 °C for at least one month. For prolonged storage, freeze in working aliquots at −20 °C. Avoid repeated freezing and thawing. Do not store in frost-free freezer.

Product Profile
For immunoblotting, a working antibody concentration of 0.1-0.2 µg/ml is recommended. The detection limit for mouse EMMPRIN is approximately 2 ng/lane under non-reducing and reducing conditions.

For ELISAs, a working antibody concentration of 0.5-1.0 µg/ml is recommended. The detection limit for recombinant mouse EMMPRIN is approximately 0.16 ng/well.

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

Endotoxin level is < 15 ng/mg antibody as determined by the LAL (Limulus amebocyte lysate) method.

References