Anti-EMMPRIN produced in goat, affinity isolated antibody

**Catalog Number** E4029

**Product Description**
Anti-EMMPRIN is produced in goat using as immunogen a purified recombinant human extracellular matrix metalloproteinase inducer (EMMPRIN) extracellular domain expressed in mouse myeloma NSO cells. Affinity isolated 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.

EMMPRIN (extracellular matrix metalloproteinase inducer), also called CD147, basigin, and M6 in humans, is a member of the immunoglobulin superfamily. 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). The expression of EMMPRIN is different from that in normal human brain. Human keratinocytes express EMMPRIN suggesting the possibility of its involvement in the regulation of matrix remodeling at the epidermal-dermal junction.

**Reagent**
Supplied as ~100 µg of antiserum lyophilized from a 0.2 µm filtered solution of phosphate buffered saline with 5% trehalose.

**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 up to one month. For prolonged storage, freeze in working aliquots. Avoid repeated freezing and thawing. Do not store in frost-free freezer.

**Product Profile**
**Immunoblotting:** a working antibody concentration of 0.1-0.2 µg/ml is recommended. The detection limit for human EMMPRIN is ~1 ng/lane under non-reducing and reducing conditions.

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

**References**