

## Anti-EMMPRIN/CD147 Antibody (8Q238)

### Product Details

Ig Type:	Mouse IgG2a
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	8Q238
Purification:	Protein A

### Applications

Verified Activity:	1. Immunochemical staining of human CD147 in human stomach with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections). The image showing membrane staining of epithelium cell.
	2. Immunochemical staining of human CD147 in human gastric cancer with mouse monoclonal antibody (1:100, formalin-fixed paraffin embedded sections). The image showing membrane staining of epithelium cell.
	3. Immunochemical staining of human CD147 in human esophagus with mouse monoclonal antibody (1:100, formalin-fixed paraffin embedded sections). The image showing membrane staining of squamous epithelium cell.
Application:	ELISA,ELISA(Cap),IHC-P
Recommended	ELISA: 1:1000-1:2000; IHC-P: 1:50-1:200; ELISA(Cap): 1:250-1:2000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	Recombinant Protein: Human CD147 protein
Antigen Species:	Human
Synonyms:	basigin (Ok blood group)

### Research Background

CD147/EMMPRIN (Extracellular Matrix Metalloproteinase Inducer), also known as Basigin (BSG), is a transmembrane glycoprotein with different forms resulted from different modes of glycosylation and N-terminal sequence variants. It is a member of the immunoglobulin superfamily with homology to both the immunoglobulin V domain and MHC class II antigen beta-chain. This protein play important roles in variety of events including spermatogenesis, embryo implantation, neural network formation. CD147 induces the production and release of matrix metalloproteinases (MMP) in the surrounding mesenchymal cells and tumor cells, and thereby promotes invasion, metastasis, growth and survival of malignant cells. Furthermore, CD147 also serves as a receptor for extracellular cyclophilinthe and its association with integrins might be important in signal transduction. Recently, CD147 displays increased expression in many cancers, and it has been previously demonstrated to participate in cancer metastasis and progression. Thus, CD147 and its antibody are used as an effective treatment for malignant cancers.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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