Human EMMPRIN/CD147 Antibody Pair Set

Catalog No.	E-KAB-0025	**Applications**	ELISA
Synonyms	BSG, 5F7, CD147, EMMPRIN, M6, OK, TCSF, basigin (Ok blood group), EMPRIN		

Kit components & Storage

Title	Specifications	Storage
Human EMMPRIN/CD147 Capture Antibody	1 vial, 100 μg	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Human EMMPRIN/CD147 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze / thaw cycles.

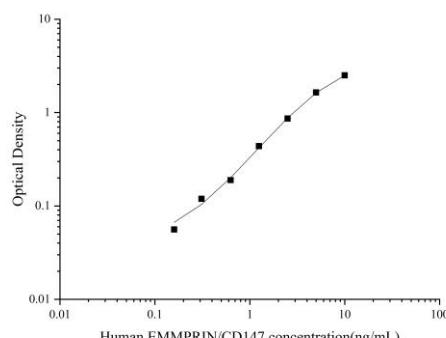**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0025)	
		Human EMMPRIN/CD147 Capture Antibody	Human EMMPRIN/CD147 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human EMMPRIN/CD147 protein	Recombinant Human EMMPRIN/CD147 protein
	Swissprot	P35613	
Product details	Reactivity	Human	Human
	Host	Mouse	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A or G	Antigen Affinity
	Specificity	Detects Human EMMPRIN/CD147 in ELISAs.	

Applications

Human EMMPRIN/CD147 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4μg/mL	Human EMMPRIN/CD147 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human EMMPRIN/CD147 Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

BSG,also named as 5F7,Basigin,EMMPRIN,TCSF and CD147,plays pivotal roles in spermatogenesis,embryo implantation,neural network formation and tumor progression. It stimulates adjacent fibroblasts to produce matrix metalloproteinases (MMPS).CD147 may target monocarboxylate transporters SLC16A1,SLC16A3 and SLC16A8 to plasma membranes of retinal pigment epithelium and neural retina. It seems to be a receptor for oligomannosidic glycans. CD147 is a receptor of CypA,inducing matrix metalloproteinase expression and mediating the degradation of the extracellular matrix,plays an important role in tumorigenesis and invasion in oral cancer. It has been considered as an objective and effective marker to predict invasion and prognosis in various cancers.