Mouse CEACAM1 Antibody Pair Set

Catalog No. E-KAB-0728 **Applications** ELISA
Synonyms CEACAM-1;CEACAM1;CD66a;CEA;Meconium antigen 100

Kit components & Storage

Title	Specifications	Storage
Mouse CEACAM1 Capture Antibody	1 vial, 100 μ g	Store at -20℃. Avoid freeze / thaw cycles.
Mouse CEACAM1 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃. Avoid freeze / thaw cycles.

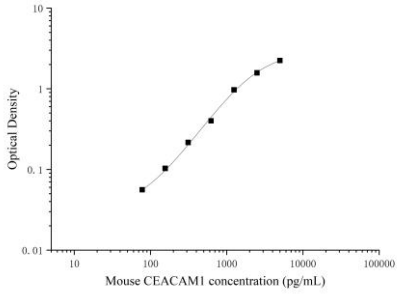
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0728)	
		Mouse CEACAM1 Capture Antibody	Mouse CEACAM1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse CEACAM1 protein	Recombinant Mouse CEACAM1 protein
	Swissprot	P31809	
Product details	Reactivity	Mouse	Mouse
	Host	Rabbit	Rabbit
	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	Affinity purification	Affinity purification
	Specificity	Detects Mouse CEACAM1 in ELISAs.	

Applications

Mouse CEACAM1 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4ug/mL	Mouse CEACAM1 Capture Antibody	
ELISA Detection	1:1000-1:10000	Mouse CEACAM1 Detection Antibody (Biotin)	

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

Background

CD66a,known as carcinoembryonic antigen-related cell adhesion molecule-1 (CEACAM-1),is a glycoprotein of the immunoglobulin superfamily and the carcinoembryonic antigen family. CEACAM-1 functions as an intercellular adhesion molecule,an angiogenic factor,and a tumor cell growth inhibitor. CEACAM-1 is expressed in multiple epithelial malignancies,including gastric cancer,colorectal cancer,and pancreatic cancer,as well as in NSC lung cancer and melanoma. CEACAM-1 comprises one N-terminal variable domain,six C2-like Ig domains and glycosylphosphatidylinositol (GPI) linker,which facilitate adhesion through homophilic and/or heterophilic (CEACAM1–CEACAM5) interactions. CEACAM-1 has a significant clinical role as a tumor marker for several tumors including gastrointestinal and respiratory malignancies. CEACAM-1 has variable roles in tumor initiation,progression,and metastasis.