



## Mouse CD13-mIgG1

Cat No.: 03-01-0197

Product Name: Mouse CD13-mIgG1

Description: CD13, also known as Alanine Aminopeptidase, is an aminopeptidase with broad specificity. It plays a role in the final digestion of peptides generated from hydrolysis of proteins by gastric and pancreatic proteases. May play a critical role in the pathogenesis of cholesterol gallstone disease. May be involved in the metabolism of regulatory peptides of diverse cell types, responsible for the processing of peptide hormones, such as angiotensin III and IV, neuropeptides, and chemokines. It was found to cleave antigen peptides bound to major histocompatibility complex class II molecules of presenting cells and to degrade neurotransmitters at synaptic junctions. Is also implicated as a regulator of IL-8 bioavailability in the endometrium, and therefore may contribute to the regulation of angiogenesis. It is used as a biomarker to detect damage to the kidneys, and that may be used to help diagnose certain kidney disorders. It is used as a marker for acute myeloid leukemia and plays a role in tumor invasion. In case of human coronavirus 229E (HCoV-229E) infection, serves as receptor for HCoV-229E spike glycoprotein. Mediates as



well human cytomegalovirus (HCMV) infection.

|               |                                                                 |
|---------------|-----------------------------------------------------------------|
| Type:         | Protein                                                         |
| Property:     | Recombinant Protein                                             |
| Source:       | HEK293                                                          |
| Genbank No.:  | P97449 ( aa.33-966)                                             |
| Applications: | ELISA, WB, Immunogen                                            |
| Formulation:  | Each vial contains 50ug purified protein(1mg/ml) in PBS(pH7.4). |
| Purity:       | >95%                                                            |
| Storage:      | Store at -80°C, Avoid freeze / thaw cycle.                      |
| Limitation:   | For research use only, not for use in diagnostic procedures.    |