Genomeditech (Shanghai) Co.,Ltd.
Order: 021-68455258/50432826/50432825
Toll-free: 400 627 9288
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Human CDH17 Protein; hFc Tag

Product Information

Product Name	Human CDH17 Protein; hFc Tag
Storage temp	Store at ≤ -70℃, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	**GM-88594RP-100 / 100 μg** **GM-88594RP-1000 / 1 mg**

Protein Information

Alternative Names	Cadherin-17, HPT-1, LI-cadherin
Source	Human CDH17 Protein; hFc Tag (GM-88594RP) is expressed from human 293 cells (HEK-293). It contains AA Gln23-Met787 (Accession # Q12864-1). This protein carries a hFc tag at the C-terminus.
Purity	> 95% as determined by SDS-PAGE
Endotoxin	< 1 EU/μg, determined by LAL gel clotting assay
Predicted Mol Mass	110.9 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	CDH17 protein (Cadherin-17), also known as LI-cadherin (liver-intestine cadherin), is a calcium-dependent cell adhesion molecule that belongs to the cadherin superfamily. It is encoded by the *CDH17* gene and is a protein associated with the human digestive system and tumor biology. CDH17 protein was initially discovered in the liver and intestine, and later detected in various epithelial tissues of the gastrointestinal tract, including the small intestine, colon, and pancreas, as well as in pancreatic and gastric cancer tissues. CDH17 protein regulates cell-cell adhesion, tissue architecture, and cell migration by binding to its ligands, which include other cadherin molecules and integrins, on the surface of adjacent epithelial cells. Intestinal epithelial cells and tumor cells are important types of cells expressing CDH17, playing critical functions in maintaining intestinal barrier integrity, facilitating nutrient absorption, and promoting tumor invasion and metastasis, making them central members of the gastrointestinal epithelium and tumor progression. Research indicates that CDH17 protein plays a significant role in promoting tumor cell proliferation, enhancing cell migration and invasion, and modulating Wnt/β-catenin signaling pathways. Additionally, the expression of CDH17 protein is associated with various gastrointestinal cancers, including colorectal cancer, gastric cancer, hepatocellular carcinoma, and pancreatic cancer, as well as with inflammatory bowel diseases, making it a potential target for cancer diagnosis, prognosis, and targeted therapy.

Version:4.0

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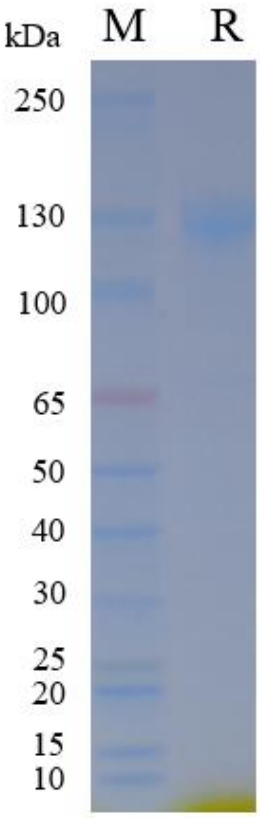
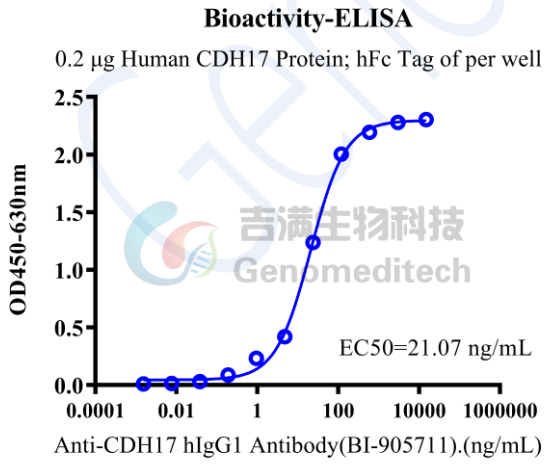
SDS-PAGE

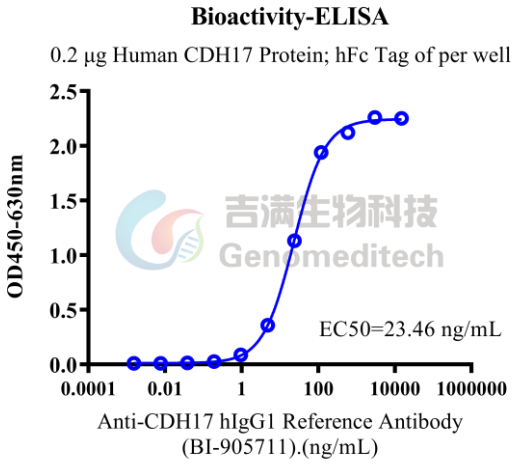


On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA



Human CDH17 Protein; hFc Tag (Catalog # GM-88594RP) was immobilized at 2 μg/ml (100 μL/well). Increasing concentrations of Anti-CDH17 hIgG1 Antibody(BI-905711) (Catalog # GM-52672AB) were added.



Human CDH17 Protein; hFc Tag (Catalog # GM-88594RP) was immobilized at 2 μg/ml (100 μL/well). Increasing concentrations of Anti-CDH17 hIgG1 Reference Antibody (BI-905711) (Catalog # GM-87095MAB) were added.