

Rev03
 Update: Aug,08,2025
DATASHEET

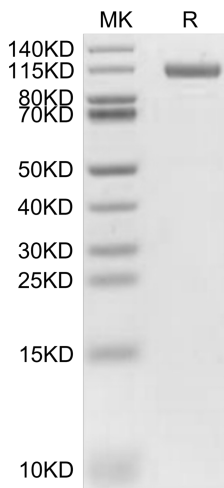
CDH17/Cadherin 17[Biotin], His & Avi, Human

Cat. No.: Z04431

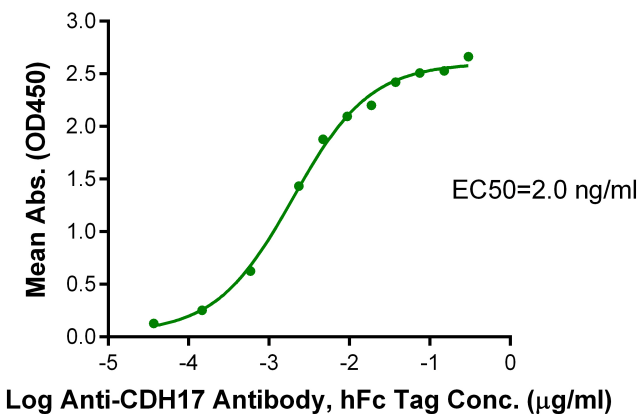
Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center; gap: 10px;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> CDH17/Cadherin 17 (Gln23-Met787) Accession # Q12864 </div> <div style="background-color: #90c080; color: white; padding: 5px; text-align: center;">His</div> <div style="background-color: #4f7942; color: white; padding: 5px; text-align: center;">Avi</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> N-term C-term </div>
Conjugate	Biotin
Purity	> 95% as determined by BisTris PAGE
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized CDH17/Cadherin 17[Biotin], His & Avi, Human at 0.5µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate can bind AntiCDH17 Antibody, hFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	87.88 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 105-120 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Examples



CDH17/Cadherin 17[Biotin], His & Avi, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Immobilized CDH17/Cadherin 17[Biotin], His & Avi, Human, His Avi Tag at 0.5 µg/ml (100 µl/well) on the streptavidin precoated plate(5 µg/ml). Dose response curve for Anti-CDH17 Antibody, hFc Tag with the EC50 of 2.0 ng/ml determined by ELISA.

Background

Target Background : Liver-intestine cadherin (CDH17) has been known to function as a tumor stimulator and diagnostic marker for almost two decades. In vivo studies showed CDH17 knockout resulted in apoptotic PC tumor death through activating caspase-3 activity. Taken together, CDH17 functions as an oncogenic molecule critical to PC growth by regulating tumor apoptosis signaling pathways and CDH17 could be targeted to develop an anti-PC therapeutic approach.

Synonyms : Cadherin-17; BILL-cadherin; LI-cadherin; P130; Cdh17; CDH16; HPT-1; cadherin-16;

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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