

## Recombinant Anti-CLDN18.2 Antibody (V3S-0822-YC2857)

Cat. No.: V3S-0822-YC2857

### Summary

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<b>Description</b>	This product is a human monoclonal antibody provided by Creative Biolabs. The antibody is capable of recognizing Claudin 18.2. It can be used for CLDN18.2 detection in Enzyme-Linked Immunosorbent Assay (ELISA). The antibody is expressed in mammalian cells (293F or CHO) with antibody encoding genes and purified by affinity chromatography. Each lot of this antibody is quality control tested by SDS-PAGE and SEC-HPLC analysis. For highly sensitive assays, we recommend the ultra purified form of the product, which has a lower endotoxin limit than standard antibody, less than 1 EU/mg or even 0.1 EU/mg.
<b>Clonality</b>	Monoclonal
<b>Host Species</b>	Human
<b>Target Species</b>	Human
<b>Isotype</b>	IgG1 kappa
<b>Isotype Control</b>	C67002
<b>Secondary Antibody</b>	C75370; C10513; C51635; C45530; C23324

### Property

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<b>Expression Species</b>	HEK293F or CHO cell line
<b>Conjugation</b>	Unconjugated, also available for Biotin, HRP, FITC and PE-labeled form.
<b>Purity</b>	>95%, determined by SDS-PAGE and SEC-HPLC
<b>Endotoxin</b>	<1 EU/mg, determined by LAL method
<b>Purification</b>	Protein A or G purified
<b>Sterility</b>	0.2 µM filtered
<b>Formulation</b>	PBS, pH 7.4
<b>Preservation</b>	No preservatives
<b>Storage</b>	Store at 4°C within one or two weeks. Store at -20°C for long term. Avoid repeated freeze/thaw cycles. Refer to the COA file for specifics.

### Applications

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For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

**Application** ELISA

## Target

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**Target** CLDN18.2

**Alternative Name** Claudin 18.2

**Introduction** Claudin 18.2 (CLDN 18.2) is a stomach-specific isoform of Claudin-18. CLDN18.2 is a highly selective gastric lineage antigen expressed exclusively on short-lived differentiated gastric epithelial cells. CLDN18.2 is maintained in the course of malignant transformation and thus frequently displayed on the surface of human gastric cancer cells. Moreover, this pan-tumoral antigen is ectopically activated at significant levels in esophageal, pancreatic and lung adenocarcinomas. The CLDN18.2 protein is also localized in lymph node metastases of gastric cancer adenocarcinomas and in distant metastases especially into the ovary (so-called Krukenberg tumors).

**Research Area** Cellular Marker

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