



BMA BIOMEDICALS



Peninsula Laboratories

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## S-1205

### Cholecystokinin Octapeptide (desulfated) ELISA

Cholecystokinin Octapeptide, also known as Pancreozymin, is a peptide hormone of the gastrointestinal system responsible for stimulating the digestion of fat and for mediating satiety. It is synthesized and secreted by enteroendocrine cells in the duodenum and its presence causes the release of digestive enzymes and bile from the pancreas and gallbladder. Cholecystokinin Octapeptide can also act as a neurotransmitter in the central nervous system where high levels cause increased anxiety.

This ELISA was developed with serum from rabbits immunized with Cholecystokinin Octapeptide coupled to a carrier protein.

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#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A18056
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	96 tests
<b>Format:</b>	Formulated for extracted samples (EIAH type).
<b>Shelf-life:</b>	One year from production date. Store refrigerated at 4° - 8°C.
<b>Applications:</b>	This ELISA has been validated with the included reagents. It is intended to be used with appropriately extracted samples (original protocol III, Std.Ab1hr.Bt). For research use only. Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Range:</b>	0-10ng/ml
<b>Average IC50:</b>	0.3ng/ml
<b>Immunogen:</b>	Synthetic peptide H-Asp-Tyr-Met-Gly-Trp-Met-Asp-Phe-NH <sub>2</sub> coupled to carrier protein.

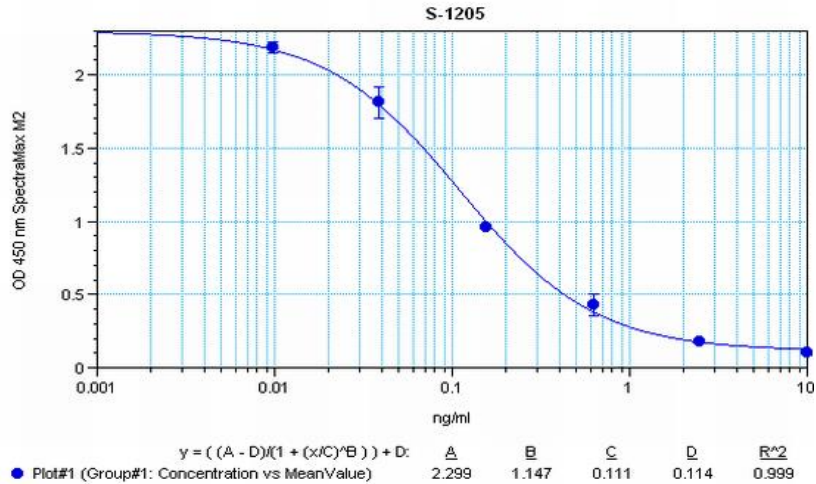
#### Cross-Reactivity:

PEPTIDE:	%:
Cholecystokinin Octapeptide (desulfated)	100
CCK-33 (sulfated)	100
Caerulein	100
Gastrin I (human)	100
Big Gastrin I (human)	100
Cholecystokinin Octapeptide (sulfated)	78
CCK (27-33) (desulfated)	62.9
CCK (30-33) (desulfated)	13.9

**Cross-Reactivity (continued):**

<b>PEPTIDE:</b>	<b>%:</b>
Pancreatic Polypeptide (human)	<0.1
VIP (human, bovine, porcine, rat)	0
α-CGRP (rat)	0
β-CGRP (rat)	0

Typical titration curve of Cholecystokinin Octapeptide in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.01 to 10ng/ml
<b>Stock</b>	1000	
<b>S1</b>	10.00	Add 10µl Stock + 990µl diluent
<b>S2</b>	2.50	Add 200µl S1 + 600µl diluent
<b>S3</b>	0.63	Add 200µl S2 + 600µl diluent
<b>S4</b>	0.16	Add 200µl S3 + 600µl diluent
<b>S5</b>	0.04	Add 200µl S4 + 600µl diluent
<b>S6</b>	0.01	Add 200µl S5 + 600µl diluent
<b>S0</b>	0.00	500µl diluent

Related Products: T-4252: Rabbit anti Cholecystokinin Octapeptide, diluted antiserum  
 T-4254: Rabbit anti Cholecystokinin Octapeptide, neat antiserum  
 T-4253: Rabbit anti Cholecystokinin Octapeptide, purified IgG

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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EIAH

1.3.2021