



CHROMOGRANIN A

a highly sensitive and specific marker for pheochromocytoma,
carcinoids, and other neuroendocrine tumors

KT-820

KT-855

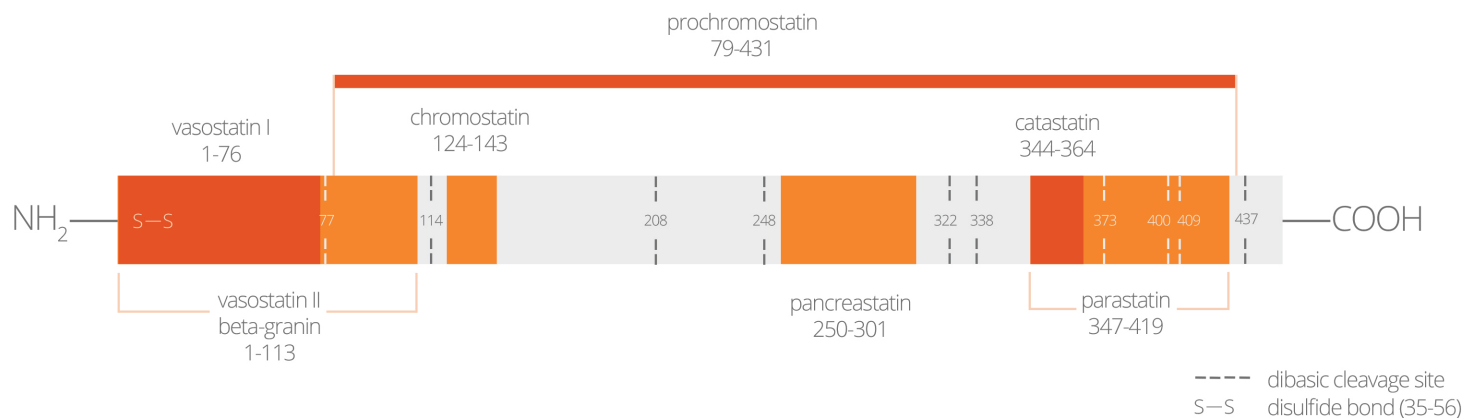
CL-855

What is chromogranin A?

BIOCHEMISTRY & PHYSIOLOGY

- 49 kDa acidic protein
- 439 amino acids
- encoded on chromosome 14
- isoelectric point (PI): 4.75 - 4.68
- half life: 18 minutes in circulation

Chromogranin A is synthesized in normal neural & endocrine tissue and co-secreted into the blood stream with peptide hormones. It is a precursor to several bioactive small fragments/peptides.



APPLICATIONS

Pheochromocytoma

A very sensitive (83%) and highly specific (96%) diagnostics marker. Drugs commonly employed in the diagnosis or treatment of hypertension have little effect on plasma chromogranin A level.

Neuroendocrine Tumors (NETs)

To ascertain the source of a tumor: high chromogranin A levels indicate that the tumor arises from neuroendocrine tissues, e.g. intestinal and pancreatic carcinoids.

Lung Cancer

A marker for both small cell and non-small cell lung cancer. Shows higher diagnostic sensitivity for SCLC than NSE and is not affected by hemolysis.

Prostate Cancer

Reflects neuroendocrine activity of prostate cancer. Elevated chromogranin A values correlate with poor prognosis, scarcely influenced by endocrine therapy or chemotherapy

Robust chromogranin A assays

EDI™ HUMAN CHROMOGRANIN A ELISA KIT **KT-855**

The EDI™ Human Chromogranin A ELISA Kit (Cat. no. KT-855) features:

- Improved dynamic range of concentrations up to 2500 ng/mL
- High sensitivity with an LLOD of 1.4ng/mL
- A CgA-specific monoclonal antibody binds the middle C-terminal portion while the polyclonal antibody binds a specific amino acid sequence at the end of the C-terminus .

Catalog No.	KT-820	KT-855	CL-855
Target	Chromogranin A	Chromogranin A	Chromogranin A
Species	Human	Human	Human
Method	Sandwich ELISA	Sandwich ELISA	Chemiluminescent Assay
Tests Per Kit	96 tests	96 tests	96 tests
Detection	Colorimetric	Colorimetric	Photometric
Sensitivity	2 ng/mL	1.4 ng/mL	2.35 ng/mL
Dyanmic Range	0-600 ng/mL	0-2500 ng/mL	0-2500 ng/mL
Total Incubation	2 hour, 20 min	2 hour, 20 min	1 hour, 10 min
Sample Type	Serum, EDTA-plasma	Serum, EDTA-plasma	Serum, EDTA-plasma

Anti-human chromogranin A polyclonal and monoclonal antibodies also available.
Inquire at cs@epitopediagnostics.com.



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