

**CHROMOGRANIN A; CgA,
PLASMA
(EIA)**

ng/mL

<100.00

Note: This test is not recommended for diagnostic purposes

Comments

Chromogranin A is a major soluble protein present in chromaffin cells of adrenal medulla, sympathetic neurons and various neuroendocrine organs. About 80% patients of Pheochromocytoma show elevated levels of Chromogranin A. The major use of this test is in the post operative monitoring for recurrence of these tumors. It is a preferred marker in hind gut Carcinoid tumors which commonly are non-functional and have lost the ability to secrete serotonin, but retain the ability to secrete CgA.

Increased Levels

- **Malignant causes** – Carcinoid tumor, Pheochromocytoma, Medullary carcinoma thyroid, Small cell lung carcinoma & Epithelial cancers with neuroendocrine differentiation
- **Non malignant causes** - Renal impairment (creatinine clearance <80mg/mL/min), Liver disease, Inflammatory bowel disease, atrophic gastritis & stress