003216589045 (EU)
0203393 8531 (UK)
(408)780-0908 (US)
info@gentaur.com
www.caslab.com

# Human 12-LO (Arachidonate 12-Lipoxygenase) CLIA Kit

**Cat #:** G-EC-01206

**Species:** Human

**Sensitivity:** 37.5pg/mL

**Type:** Sandwich

**Range:** 62.5~4000pg/mL

**Detection:** Chemiluminescence

**Duration:** 3.5h

**Principle:**
This CLIA kit uses the Sandwich-CLIA principle. The micro CLIA plate provided in this kit has been pre-coated with an antibody specific to Human 12-LO. Standards or samples are added to the micro CLIA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human 12-LO and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human 12-LO, biotinylated detection antibody and Avidin-HRP conjugate will appear fluorescence. The Relative light unit (RLU) value is measured by the Chemiluminescence immunoassay analyzer. The RLU value is positively associated with the concentration of Human 12-LO. You can calculate the concentration of Human 12-LO in the samples by comparing the RLU value of the samples to the standard curve.

**Specificity:**
This kit recognizes Human 12-LO in samples. No significant cross-reactivity or interference between Human 12-LO and analogues was observed.

**UniProt ID:**

**Gene:** 12-LO

**Synonyms:** ALOX12, LOX12, 12-LOX, 12LPG, LOG12

**Specimen:** Serum, plasma and other biological fluids

**Application:** This CLIA kit applies to the in vitro quantitative determination of Human 12-LO concentrations in Serum, plasma and other biologica

**Research Areas:** Cancer, Cardiovascular, Metabolism, Signal transduction

**Storage:**
An unopened kit can be stored at 2-8°C for 1 month. If the kit is not supposed to be used within 1 month, store the items separately according to the storage table in the manual once the kit is received.