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Rat LIFR (Leukemia Inhibitory Factor Receptor) CLIA Kit

Cat #: G-EC-01992

Species: Rat

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 Rat LIFR. Standards or samples are added to the micro CLIA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat LIFR 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 Rat LIFR, 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 Rat LIFR. You can calculate the concentration of Rat LIFR in the samples by comparing the RLU value of the samples to the standard curve.

Specificity:
This kit recognizes Rat LIFR in samples. No significant cross-reactivity or interference between Rat LIFR and analogues was observed.

UniProt ID:

Gene: LIFR

Synonyms: CD118, LIF-R, SJS2, STWS, SWS

Specimen: Serum, plasma and other biological fluids

Application: This CLIA kit applies to the in vitro quantitative determination of Rat LIFR concentrations in Serum, plasma and other biological fluid

Research Areas: Cancer, Developmental biology, Immunology, Stem cells

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.