

## Rat IFN $\beta$ (Interferon beta) ELISA kit

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This kit applies sandwich ELISA method for the quantitative detection of IFN $\beta$  (Interferon beta) in rat samples. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat IFN $\beta$ . Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat IFN $\beta$ . Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Rat IFN $\beta$ , biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm  $\pm$ 10nm. The concentration of Rat IFN $\beta$  in the samples is then determined by comparing the OD of the samples to the standard curve.

Catalog No.	3032335
Size	96-Wells
Product Category	ELISA (Quantitative)
Reactivity	Rat
Sample	Serum; Plasma; Tissue Homogenates; Cell Lysates; Cell Culture Supernates; Other Biological Fluids
Assay Method	Sandwich ELISA
Assay Duration	3.5 hours
Sensitivity	2.9 pg/mL
Standard Curve Range	7.82-500 pg/mL
Storage/Stability	-20°C/1 year; 4°C/6 months