

Rat IgG (Immunoglobulin G) ELISA kit

This kit applies competitive inhibition ELISA method for the quantitative detection of IgG (Immunoglobulin G) in rat samples. The microtiter plate provided in this kit has been pre-coated with Rat IgG protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat IgG. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. 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 IgG in the samples is then determined by comparing the OD of the samples to the standard curve.

Catalog No.	3031254
Size	96-Wells
Product Category	ELISA (Quantitative)
Reactivity	Rat
Sample	Serum; Plasma; Tissue Homogenates; Cell Lysates; Cell Culture Supernates; Other Biological Fluids
Assay Method	Competitive Inhibition ELISA
Assay Duration	2 hours
Sensitivity	0.49 ug/mL
Standard Curve Range	1.57-100 ug/mL
Storage/Stability	-20°C/1 year; 4°C/6 months