

# ELISA Kit for 8-Hydroxydeoxyguanosine (8-OHdG)

Catalog No: tcue889



## Available Sizes

Size: 96T



## Specifications

### Research Area:

Metabolic pathway;Tumor immunity;Infection immunity;Endocrinology;Hematology;Hepatology;

### Species Reactivity:

Pan-species (General)

### Sample Type:

serum, plasma and other biological fluids

### Sensitivity:

The minimum detectable dose of this kit is typically less than 26.29pg/mL

### Detection Range:

74.07-6000pg/mL

### Assay Time:

2h

### Detection Method:

Enzyme-linked immunosorbent assay for Antigen Detection.

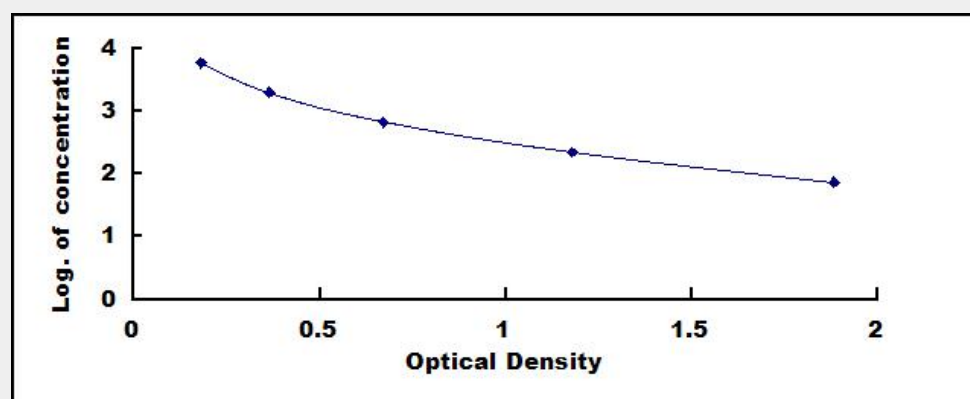
### Tested Application:

ELISA

## Test Principle

This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to 8-Hydroxydeoxyguanosine (8-OHdG) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled 8-Hydroxydeoxyguanosine (8-OHdG) and unlabeled 8-Hydroxydeoxyguanosine (8-OHdG) (Standards or samples) with the pre-coated antibody specific to 8-Hydroxydeoxyguanosine (8-OHdG). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP

conjugate is reverse proportional to the concentration of 8-Hydroxydeoxyguanosine (8-OHdG) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of 8-Hydroxydeoxyguanosine (8-OHdG) in the sample.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!