



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

## Goat Anti-8-Hydroxyguanosine

### With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-PB-00039

**Target Species**  
Chemical

**Isotype**  
Polyclonal IgG

#### Preparation

Antisera to 8-Hydroxyguanosine were raised by repeated immunization of goat with highly purified antigen.

**Immunogen:** 8-Hydroxyguanosine - conjugate

#### Specificity

DS-PB-00039 recognizes 8-hydroxyguanosine (8-OG), a modified base which occurs in DNA as a result of oxidative stress. 8-hydroxy-2'-deoxyguanosine (8-OHdG) has become a sensitive marker of oxidative damage in cellular DNA and has been reported to be excreted in the urine. Levels of 8-OHdG have been shown to increase on exposure to ionizing radiation and tobacco smoke. DS-PB-00039 cross reacts completely with 8-OHdG.

DS-PB-00039 does not cross react with other naturally occurring nucleotides.

#### Formulation

**Product Type:** Polyclonal Antibody

**Product Form:** Serum - liquid

**Preservative Stabilizers:** 0.09 % Sodium Azide (NaN<sub>3</sub>)

#### Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunohistology - Frozen			•	
Immunohistology - Paraffin	•			1/200
ELISA	•			1/100,000 - 1/250,000
Western Blotting			•	

**Note:** Other applications are not tested yet. Optimal dilutions should be determined.

**The products are furnished for LABORATORY RESEARCH USE ONLY.**  
**Not for diagnostic or therapeutic use.**



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### Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
	•			1:5000-1:10000

### Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life:** 18 months from date of dispatch.

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