



## Canine Nei endonuclease VIII-like protein 1 (NEIL1) ELISA kit

<b>Cat. No.:</b>	0126WXX-1068
<b>Assay Type:</b>	Quantitative ELISA
<b>Target Species:</b>	Canine
<b>Assay Target:</b>	NEIL1
<b>Size:</b>	48T; 96T

This product is for research use only and is not intended for diagnostic use.

### Product Overview

<b>Description</b>	Canine Nei endonuclease VIII-like protein 1 (NEIL1) ELISA kit is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of NEIL1 in canine samples. The kit is highly sensitive and easy to use.
<b>Assay Principle</b>	The ELISA analytical biochemical technique is based on NEIL1 antibody-NEIL1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect NEIL1 antigen targets in samples.
<b>Background</b>	NEIL1 is a DNA repair enzyme primarily involved in the base excision repair process. Its core function is to recognize and remove DNA bases damaged by oxidation or mutagens. Obesity itself is closely linked to oxidative stress and DNA damage. Research indicates that NEIL1 activity or expression levels exert a certain influence on obesity and its associated complications.
<b>Synonyms</b>	Nei-like protein 1; DNA glycosylase/AP lyase Neil1; NEI1; hFPG1; FPG1; DNA-(apurinic or apyrimidinic site) lyase Neil1
<b>EC NO.</b>	4.2.99.18
<b>Formula Weight</b>	43,684 Da
<b>Applications</b>	Canine Nei endonuclease VIII-like protein 1 (NEIL1) ELISA kit is used to quantify NEIL1 in canine samples, providing data to support research in a wide range of areas, including oxidative stress, enzyme and kinase, obesity, etc.
<b>Research Area</b>	Oxidative stress; Enzyme & Kinase; Obesity

### Specification



**Sample Type**

Canine samples

**Cross-reactivity**

No significant cross-reactivity or interference was observed.

**Storage**

Store at 2-8°C.