



## Cat tumor necrosis factor soluble receptor I (TNFSR-I) ELISA kit

<b>Cat. No.:</b>	0126WXX-1934
<b>Assay Type:</b>	Quantitative ELISA
<b>Target Species:</b>	Cat
<b>Assay Target:</b>	TNFSR-I
<b>Size:</b>	48T; 96T

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

### Product Overview

<b>Description</b>	Cat tumor necrosis factor soluble receptor I (TNFSR-I) ELISA kit is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of TNFSR-I in cat samples. The kit is highly sensitive and easy to use.
<b>Assay Principle</b>	The ELISA analytical biochemical technique is based on TNFSR-I antibody-TNFSR-I antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect TNFSR-I antigen targets in samples.
<b>Background</b>	TNFSR-I is the free form released into the bloodstream following proteolytic cleavage of the membrane-bound TNF-RI receptor. TNF-RI is generally recognized as the primary receptor mediating tumor necrosis factor (TNF- $\alpha$ ) signaling, playing a crucial role particularly in apoptosis, cytotoxicity, and inflammatory signaling pathways. TNFSR-I functions as a decoy receptor in the circulation, binding TNF- $\alpha$ to neutralize its activity and thereby modulate systemic inflammatory burden. It is associated with chronic inflammation, insulin resistance, and obesity.
<b>Synonyms</b>	sTNF-RI; TNFRSF1A
<b>Formula Weight</b>	48,291 Da
<b>Applications</b>	Cat tumor necrosis factor soluble receptor I (TNFSR-I) ELISA kit is used to quantify TNFSR-I in cat samples, providing data to support research in a wide range of areas, including signal transduction, inflammation, obesity, and others.
<b>Research Area</b>	Signal Transduction; Inflammation; Obesity

### Specification



**Sample Type**

Cat samples

**Cross-reactivity**

No significant cross-reactivity or interference was observed.

**Storage**

Store at 2-8°C.