

ABfinity™ sTNFR1 Recombinant Rabbit Oligoclonal Antibody

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Rev. 1.00

Catalog Number: 710368

Store at 2°C to 8°C (short-term), or -20°C (long-term)

Clonality:	Oligoclonal	Host/Class:	Rabbit IgG
Concentration:	0.5 mg/mL	Reactivity:	Human sTNFR1
Quantity:	100 µg	Predicted Reactivity:	Human
Volume:	200 µL		

Product Description

Tumor necrosis factor receptor 1 (TNFR1) belongs to the tumor necrosis factor superfamily, and is one of the major TNF-alpha receptors. This receptor plays an important role in mediating apoptosis. TNFR1 also plays an important role in cytokine mediated signaling, positive regulation of the NF-Kb pathway, positive regulation of angiogenesis, and negative regulation of gene expression. The extracellular domain of the receptor is also released into the circulatory system as soluble TNFR1 (sTNFR1). In humans, the TNFR1 gene is located on chromosome 12.

Product Specifications

Immunogen:	Recombinant protein corresponding to amino acids 22–211 of human sTNFR1
Alternate Names:	sTNFAR, sTNFR1, CD120a
Apparent MW:	22 kDa
Gene ID:	7132
Protein Accession No.:	P19438
Sequence Identity:	Human
Sequence Homology:	Mouse, Rat, Monkey, Rabbit
Clone/PAD:	12HCLC
Lot:	See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Monkey	Cos-7 cells	2–3 µg/mL
Indirect ELISA	Human	Recombinant protein	1.5 × 10 ⁻⁴ to 3 µg/mL

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

Storage and Handling

Store the antibody at 2°C to 8°C for upto 1 month, -20°C for long storage. Avoid repeated freezing and thawing.

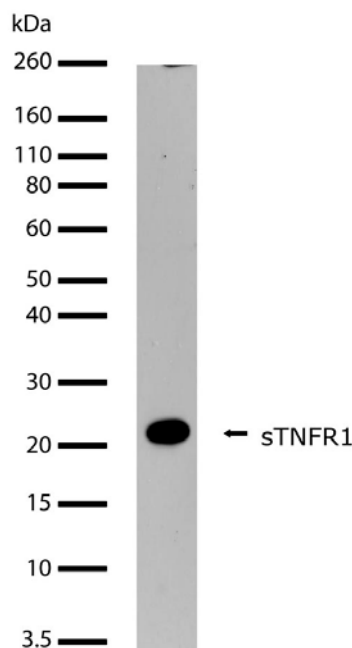


Figure 1 Western blot analysis of ABfinity™ sTNFR1 Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710368).

Western blot analysis was performed on whole cell extracts from Cos-7 cells. Endogenous levels of sTNFR1 was detected at ~22 kDa using ABfinity™ sTNFR1 Recombinant Rabbit Oligoclonal Antibody at a concentration of 2 µg/mL. The blot was developed using enhanced chemiluminescence (ECL) method.

Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.

Caution: Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. SDSs are available at www.lifetechnologies.com/support.

For research use only. Not for use in diagnostic procedures.

Manufacturing Site • 7335 Executive Way • Frederick • MD 21704 • E-mail: techsupport@lifetech.com

Product Documentation

To obtain a Certificate of Analysis or SDS, visit www.lifetechnologies.com/support.

Related Products

Product Name	Quantity	Catalog No.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze® Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze® Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106

Limited Product Warranty

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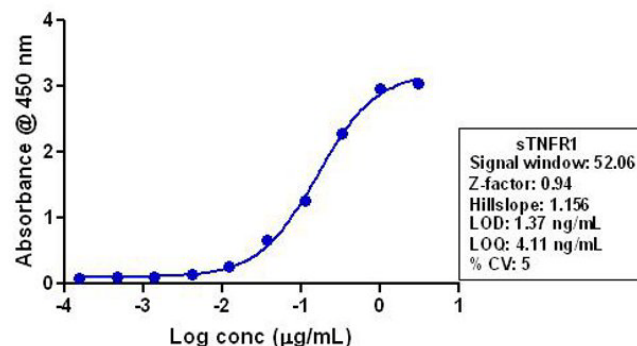


Figure 2 Indirect ELISA of ABfinity™ sTNFR1 Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710368).

Indirect ELISA was performed using various dilutions of ABfinity™ sTNFR1 Recombinant Rabbit Oligoclonal Antibody to detect sTNFR1 protein coated onto the plate. A non-linear regression analysis was performed (4 PL) and LOD and LOQ for the antibody was determined.

Explanation of symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

Limited Use Label License No. 327: Recombinant Antibody Technology

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