

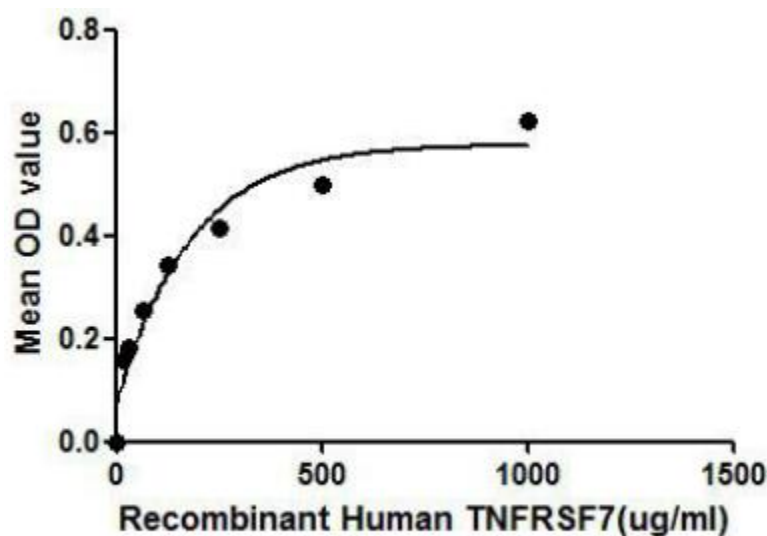
# Active Tumor Necrosis Factor Receptor Superfamily, Member 7 (TNFRSF7) Instruction Manual

**SBPB026Hu01**

**Homo sapiens (Human)**

<b>Buffer Formulation</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 95%
<b>Isoelectric Point</b>	7.2
<b>Applications</b>	Cell culture; Activity Assays.

## ACTIVITY TEST



**Figure 1. The binding activity of TNFRSF7 with TNFa**

TNFRSF7 (Tumor necrosis factor receptor superfamily member 7), also known as CD27 antigen, is a member of the TNF-receptor superfamily. This receptor is thought to be involved in tumor necrosis factor-activated receptor activity by binding with TNFs. Thus, a binding ELISA assay was conducted to detect the association of TNFRSF7 with TNFa. Briefly, recombinant human TNFRSF7 were diluted serially in PBS with 0.01%BSA (pH 7.4). Duplicate samples of 100uL were then transferred to TNFa-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with

anti-TNFRSF7 pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50µL stop solution to the wells and read at 450nm immediately. The binding activity of TNFRSF7 with TNFa was shown in Figure 1 and this effect was in a dose dependent manner.

## **USAGE**

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

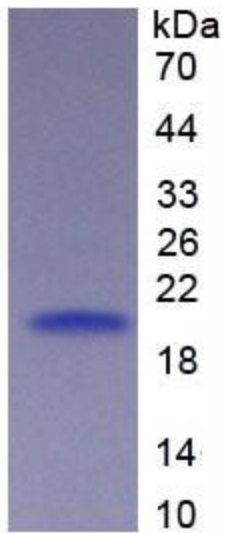
## **STORAGE**

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

## **STABILITY**

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## **Image**



SDS-PAGE Image

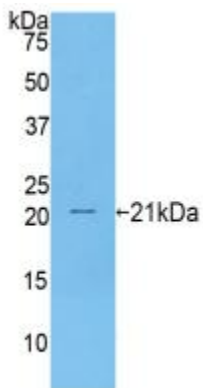


Figure. Western Blot; Sample: Recombinant TNFRSF7, Human.

**[IMPORTANT NOTE]**

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.