

**TNF-R1 Antibody**  
**Catalog # ASM10426****Specification**

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**TNF-R1 Antibody - Product Information**

Application	WB, IHC, IP, ICC
Primary Accession	<a href="#">P19438</a>
Other Accession	<a href="#">P19438</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat, Rabbit, Monkey, Bovine, Dog
Clonality	Polyclonal
Format	ATTO 594

**Description**

Rabbit Anti-Mouse TNF-R1 Polyclonal

**Target/Specificity**

Detects ~55kDa.

**Other Names**

Tumor necrosis factor receptor 1 Antibody, TNFR-1 Antibody, TNFRSF1A Antibody, TNFAR Antibody, TNFR1 Antibody

**Immunogen**

Peptide corresponding to AA 20-43 of the mouse TNF-R1 sequence, identical to rat and human over those residues

**Purification**

Peptide Affinity Purified

Storage **-20°C****Storage Buffer**

PBS pH7.4, 50% glycerol, 0.09% sodium azide

Shipping Temperature **Blue Ice or 4°C****Certificate of Analysis**

1 µg/ml of SPC-170 was sufficient for detection of TNFR1 in 20 µg of Hela lysate by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.

**Cellular Localization**

Cell Membrane | Golgi Apparatus | Golgi Apparatus Membrane

**TNF-R1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **TNF-R1 Antibody - Images**

### **TNF-R1 Antibody - Background**

The Tumor Necrosis Factor Receptor (TNFR) also known as Cluster of differentiation (CD120) is a protein that belongs to the (TNF)/ (TNFR) superfamily. TNF interacts with two distinct receptors TNFR1 and TNFR2. These receptors share no homology on their cytoplasmic sequences(1,3).TNFR1 also known as p55/p60 is a high affinity receptor for TNF- $\alpha$ . The TNFR1 has an extracellular domain with variable numbers of cysteine-rich repeats. The functional properties of TNFR1 are targets in new therapies for osteoporosis, chronic inflammatory and autoimmune diseases (1, 2). The TNF- $\alpha$ /TNFR1 receptor complex is responsible for the recruitment and the subsequent activation of the caspase (aspartate-specific cysteine proteases) that regulate apoptosis.

### **TNF-R1 Antibody - References**

1. Kontermann R.E., et al. (2008) J Immunother. 31(3):225-34.
2. Hehlhans T. and Pfeffer K. (2005) Immunology. 115(1):1-20.
3. Al-Lamki S., et al. (2005) The FASEB Journal. 19:1638-1645.