

## Datasheet

### TNFRSF8 monoclonal antibody, clone AC10

**Catalog Number:** MAB6906

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against native TNFRSF8.

**Clone Name:** AC10

**Immunogen:** Native purified TNFRSF8 from human YT lymphoma cells.

**Host:** Mouse

**Reactivity:** Human

**Applications:** Flow Cyt, IHC-Fr, IP  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Liquid

**Isotype:** IgG2b, kappa

**Recommend Usage:** The optimal working dilution should be determined by the end user.

**Storage Buffer:** In 50 mM sodium phosphate buffer, 100 mM potassium Chloride, 150 mM NaCl, pH 7.5 (0.5 mg/mL gentamicin sulfate)

**Storage Instruction:** Store at 4°C.

**Entrez GeneID:** 943

**Gene Symbol:** TNFRSF8

**Gene Alias:** CD30, D1S166E, KI-1

**Gene Summary:** The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is expressed by activated, but not by resting, T and B cells. TRAF2 and TRAF5 can interact with this receptor,

and mediate the signal transduction that leads to the activation of NF-kappaB. This receptor is a positive regulator of apoptosis, and also has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq]

#### References:

1. Direct cellular communications between CD45R0 and CD45RA T cell subsets via CD27/CD70. Agematsu K, Kobata T, Sugita K, Hirose T, Schlossman SF, Morimoto C. J Immunol. 1995 Apr 15;154(8):3627-35.
2. CD30 (Ki-1) molecule: a new cytokine receptor of the tumor necrosis factor receptor superfamily as a tool for diagnosis and immunotherapy. Falini B, Pileri S, Pizzolo G, Durkop H, Flenghi L, Stirpe F, Martelli MF, Stein H. Blood. 1995 Jan 1;85(1):1-14.
3. Functional effects of CD30 on a large granular lymphoma cell line, YT. Inhibition of cytotoxicity, regulation of CD28 and IL-2R, and induction of homotypic aggregation. Bowen MA, Olsen KJ, Cheng L, Avila D, Podack ER. J Immunol. 1993 Dec 1;151(11):5896-906.