10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CFLAR Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1814a

Specification

CFLAR Antibody - Product Information

Application	**E, WB, FC, IHC**
Primary Accession	O15519
Reactivity	**Human, Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**55kDa KDa**

Description
The protein encoded by this gene is a regulator of apoptosis and is structurally similar to caspase-8. However, the encoded protein lacks caspase activity and appears to be itself cleaved into two peptides by caspase-8. Several transcript variants encoding different isoforms have been found for this gene, and partial evidence for several more variants exists.

Immunogen
Purified recombinant fragment of human CFLAR (AA: 100-251) expressed in E. Coli.

Formulation
Purified antibody in PBS with 0.05% sodium azide

CFLAR Antibody - Additional Information

Gene ID 8837

Other Names
CASP8 and FADD-like apoptosis regulator, Caspase homolog, CASH, Caspase-eight-related protein, Casper, Caspase-like apoptosis regulatory protein, CLARP, Cellular FLICE-like inhibitory protein, c-FLIP, FADD-like antiapoptotic molecule 1, FLAME-1, Inhibitor of FLICE, I-FLICE, MACH-related inducer of toxicity, MRIT, Usurpin, CASP8 and FADD-like apoptosis regulator subunit p43, CASP8 and FADD-like apoptosis regulator subunit p12, CFLAR, CASH, CASP8AP1, CLARP, MRIT

Dilution
E~~1/10000
WB~~1/500 - 1/2000
FC~~1/200 - 1/400
IHC~~1/200 - 1/1000

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CFLAR Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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CFLAR Antibody - Protein Information

Name CFLAR

Synonyms CASH, CASP8AP1, CLARP, MRIT

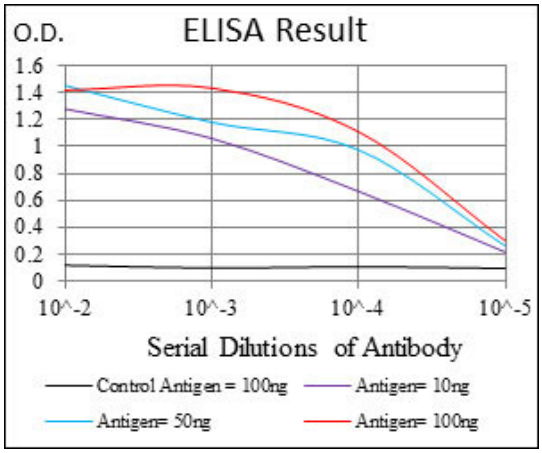
Function
Apoptosis regulator protein which may function as a crucial link between cell survival and cell death pathways in mammalian cells. Acts as an inhibitor of TNFRSF6 mediated apoptosis. A proteolytic fragment (p43) is likely retained in the death-inducing signaling complex (DISC) thereby blocking further recruitment and processing of caspase-8 at the complex. Full length and shorter isoforms have been shown either to induce apoptosis or to reduce TNFRSF-triggered apoptosis. Lacks enzymatic (caspase) activity.

Tissue Location
Widely expressed. Higher expression in skeletal muscle, pancreas, heart, kidney, placenta, and peripheral blood leukocytes. Also detected in diverse cell lines. Isoform 8 is predominantly expressed in testis and skeletal muscle

CFLAR 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 Cytomety
- Cell Culture



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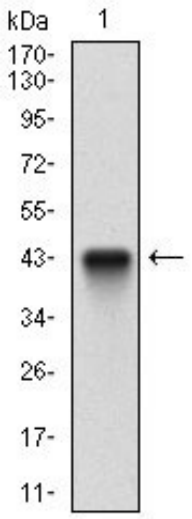

Figure 1: Western blot analysis using CFLAR mAb against human CFLAR recombinant protein. (Expected MW is 42.9 kDa)

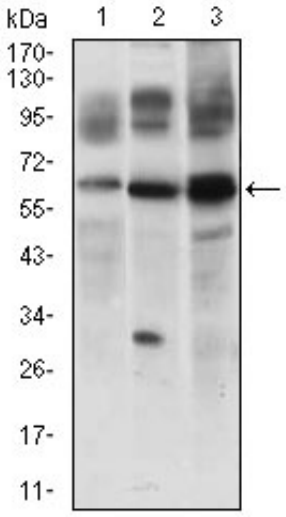

Figure 2: Western blot analysis using CFLAR mouse mAb against JURKAT (1), 3T3L1 (2) and RAJI (3) cell lysate.

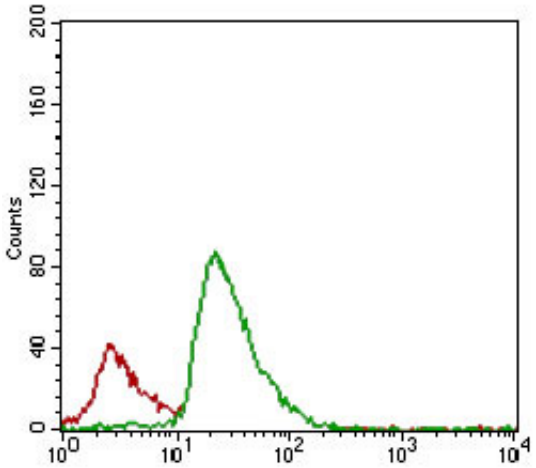

Figure 3: Flow cytometric analysis of JURKAT cells using CFLAR mouse mAb (green) and negative control (red).

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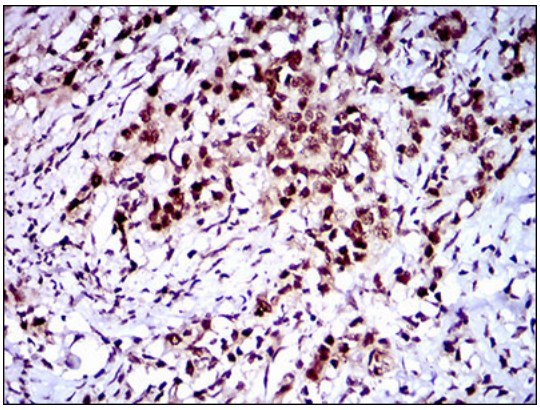

Figure 4: Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using CFLAR mouse mAb with DAB staining.

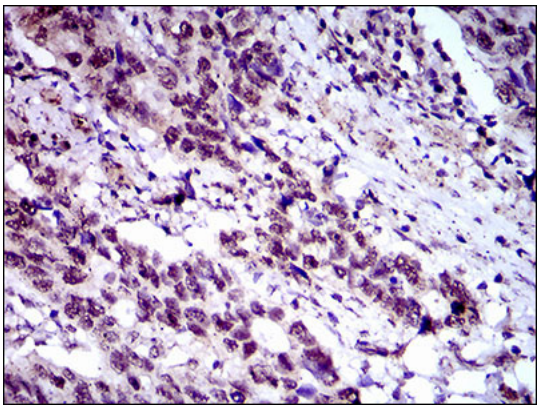

Figure 5: Immunohistochemical analysis of paraffin-embedded esophagus cancer tissues using CFLAR mouse mAb with DAB staining.

CFLAR Antibody - Background

The protein encoded by this gene is a regulator of apoptosis and is structurally similar to caspase-8. However, the encoded protein lacks caspase activity and appears to be itself cleaved into two peptides by caspase-8. Several transcript variants encoding different isoforms have been found for this gene, and partial evidence for several more variants exists. ; ; ;

CFLAR Antibody - References

1. PLoS One. 2012;7(9):e44917. 2. Cancer Prev Res (Phila). 2012 Apr;5(4):612-20.