

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.

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.

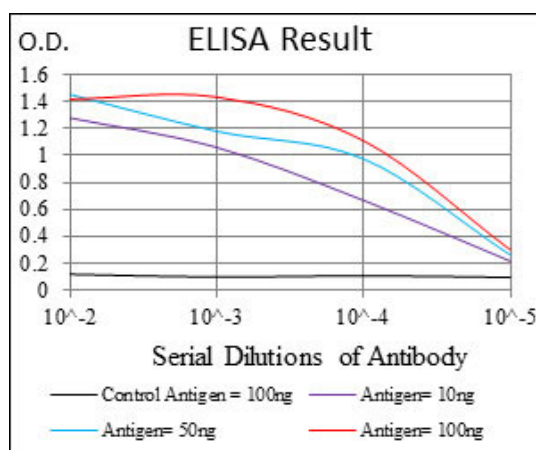
Tissue Location

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 Cytometry](#)
- [Cell Culture](#)



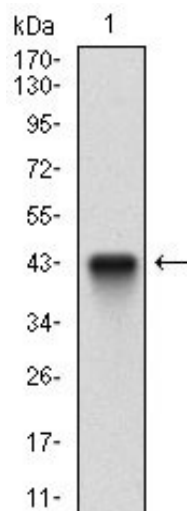


Figure 1: Western blot analysis using CFLAR mAb against human CFLAR recombinant protein. (Expected MW is 42.9 kDa)

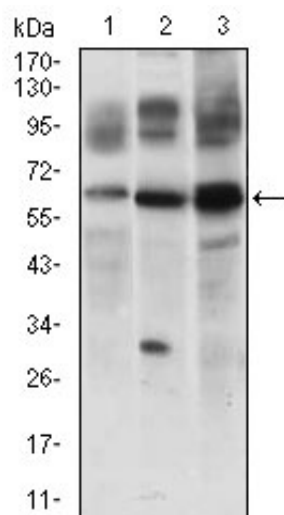


Figure 2: Western blot analysis using CFLAR mouse mAb against JURKAT (1), 3T3L1 (2) and RAJI (3) cell lysate.

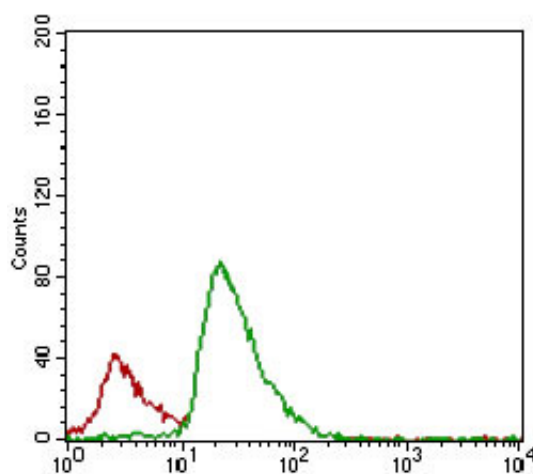


Figure 3: Flow cytometric analysis of JURKAT cells using CFLAR mouse mAb (green) and negative control (red).

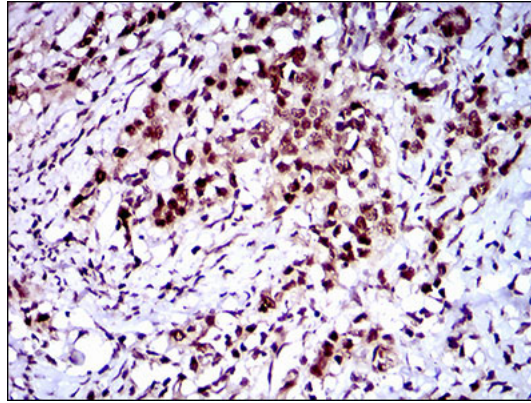


Figure 4: Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using CFLAR mouse mAb with DAB staining.

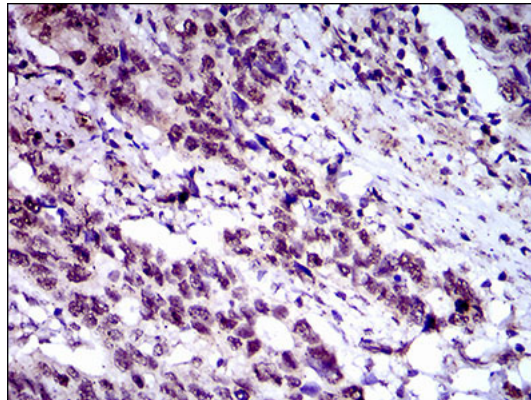


Figure 5: Immunohistochemical analysis of paraffin-embedded esophagus cancer tissues using CFLAR mouse mAb with DAB staining.

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.