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# CFLAR Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1820a

## Product Information

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| **Application** | WB, IHC, E |
| **Primary Accession** | O15519 |
| **Reactivity** | Human |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Clone Names** | 6G11A6 |
| **Isotype** | IgG1 |
| **Calculated MW** | 55344 |
| **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 |

## Additional Information

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| **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** | WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 E~~1/10000 |
| **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. |

## Protein Information

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| **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 (PubMed:31046799). 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 |

## 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. ; ;

## References

1. Pediatr Blood Cancer. 2013 Apr;60(4):575-9. 2. J Cell Biochem. 2012 Dec;113(12):3692-700.

## Images

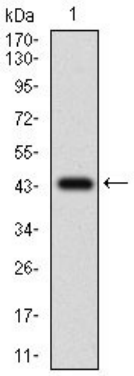



Figure 1: Western blot analysis using CFLAR mAb against human CFLAR recombinant protein. (Expected MW is 42.9 kDa)

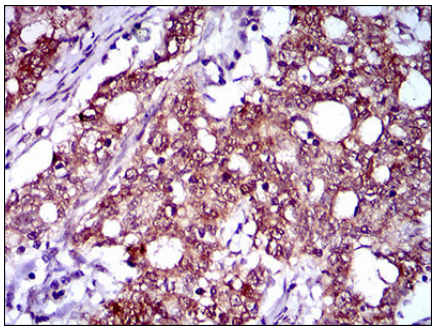
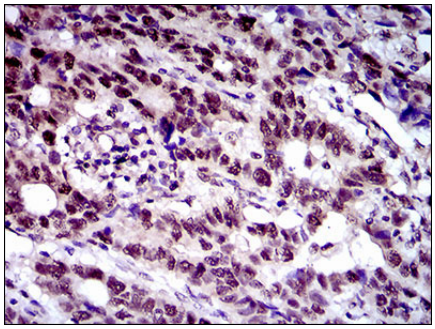


Figure 2: Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using CFLAR mouse mAb with DAB staining.

Figure 3: Immunohistochemical analysis of paraffin-embedded esophageal cancer tissues using CFLAR mouse mAb with DAB staining.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.