

## Anti-CASP8 Antibody (C-term)

Catalog Number: M00042-5

### About CASP8

Most upstream protease of the activation cascade of caspases responsible for the TNFRSF6/FAS mediated and TNFRSF1A induced cell death. Binding to the adapter molecule FADD recruits it to either receptor. The resulting aggregate called death-inducing signaling complex (DISC) performs CASP8 proteolytic activation. The active dimeric enzyme is then liberated from the DISC and free to activate downstream apoptotic proteases. Proteolytic fragments of the N-terminal propeptide (termed CAP3, CAP5 and CAP6) are likely retained in the DISC. Cleaves and activates CASP3, CASP4, CASP6, CASP7, CASP9 and CASP10. May participate in the GZMB apoptotic pathways. Cleaves ADPRT. Hydrolyzes the small-molecule substrate, Ac-Asp-Glu-Val-Asp-|-AMC. Likely target for the cowpox virus CRMA death inhibitory protein. Isoform 5, isoform 6, isoform 7 and isoform 8 lack the catalytic site and may interfere with the pro-apoptotic activity of the complex.

### Overview

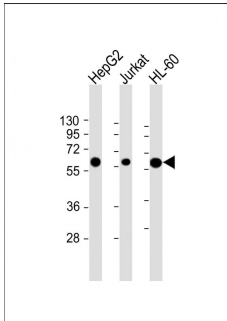
Product Name	Anti-CASP8 Antibody (C-term)
Reactive Species	Human
Description	Boster Bio Anti-CASP8 Antibody (C-term) (Catalog # M00042-5). Tested in WB, Flow Cytometry application(s). This antibody reacts with Human.
Application	Flow Cytometry, WB
Clonality	Monoclonal 550CT8.5.2
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q14790

### Technical Details

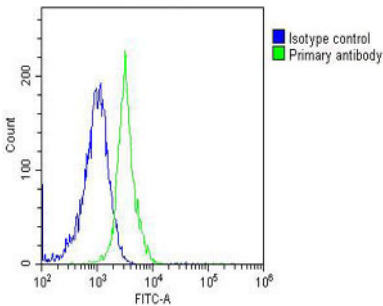
Immunogen	This CASP8 antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 427-461 amino acids from the C-terminal region of human CASP8.
Predicted Reactive Species	Xenopus
Isotype	IgG1
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	WB: 1:2000 FC: 1:25



## Anti-CASP8 Antibody (C-term) (M00042-5) Images



All lanes : Anti-CASP8 Antibody (C-term) at 1:2000 dilution  
Lane 1: HepG2 whole cell lysate  
Lane 2: Jurkat whole cell lysate  
Lane 3: HL-60 whole cell lysate  
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDa  
Blocking/Dilution buffer: 5% NFDN/TBST.



Overlay histogram showing Jurkat cells stained with M00042-5 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (M00042-5, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was mouse IgG1 (1 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.

### Submit a product review to [Biocompare.com](https://www.biocompare.com)

Submit a review of this product to [Biocompare.com](https://www.biocompare.com) to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-CASP8 Antibody (C-term)

For Research Use Only. Not for use in diagnostic procedures.