

FAS Monoclonal Antibody (H11)

Catalog NumberMA1-34171

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Dog, Cat, Human, Mouse
Host/Isotope	Rat / IgG2a	Published species	Not Applicable
Class	Monoclonal	Tested Applications	
Type	Antibody	Flow Cytometry (Flow)	1 µg/50 µL blood or 5x10^5 cells
Clone	H11	Western Blot (WB)	1 µg/mL
Immunogen	synthetic peptide RGQSCNNQPLNHHKVYMRNSKYPEDL, corresponding to amino acids 196-220 of Mouse Fas Ligand.	Immunocytochemistry (ICC/IF)	20 µg/mL
		Published Applications	
Conjugate	Unconjugated	Miscellaneous PubMed (Misc)	See 1 publications below
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	1 mg/mL		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze /thaw cycles.		

Product specific information

MA1-34171 detects FAS from mouse, human, feline, canine samples. MA1-34171 has been successfully used in immunocytochemistry, Western blot applications. The MA1-34171 immunogen is: Synthetic peptide: RGQSCNNQPLNHHKVYMRNSKYPEDL, corresponding to amino acids 196-220 of Mouse Fas Ligand.

Background/Target Information

FAS (Fas, CD95, APO-1) is a 46 kDa transmembrane glycoprotein that functions as a cell death receptor of the TNFR (tumor necrosis factor receptor) superfamily. FAS also exists in a soluble form that weight approximately 26kDa. Stimulation of FAS results in aggregation of its intracellular FAS-associated death domains (FADD), formation of the death-inducing signaling complex (DISC) and activation of caspases. The auto-proteolytic processing of the caspases in the complex trigger a downstream cascade that leads to apoptosis. FAS has been shown to activate NF-kappaB, MAPK3/ERK1, MAPK8/JNK, and is involved in transducing the proliferating signals in normal diploid fibroblast and T cells. At least eight alternatively spliced transcript variants encoding seven distinct isoforms have been described. The isoforms lacking the transmembrane domain may negatively regulate the apoptosis mediated by the full-length isoform. The Fas/Fas ligand system has been shown to play a role in a number of human diseases such as AIDS, hepatitis and cancer. It is also assumed that induction of apoptosis through FAS ligand pathway is predominantly involved in anti-viral immune responses.

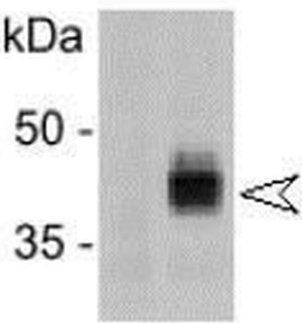
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**FAS Antibody (MA1-34171) in WB**  
Western blot analysis of FAS/CD95 using a FAS/CD95 monoclonal antibody (Product # MA1-34171).



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PubMed References For FAS Monoclonal Antibody (H11)

1 Miscellaneous PubMed References

Species / Dilution	Summary
Not Applicable / 1:300	MA1-34171 was used in western blot to study the effects of atrazine treatment on frogs
	Chemical research in toxicology ( 2015; 28: 2010)
	"Atrazine Triggers the Extrinsic Apoptosis Pathway in Lymphocytes of the Frog Pelophylax nigromaculata in Vivo." Author(s):Jia X,Wang D,Gao N,Cao H,Zhang H PubMed Article URL:http://dx.doi.org/10.1021/acs.chemrestox.5b00238

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