Data Sheet (Cat.No.TMAB-04102)

TargetMol

Anti-CD95/FAS Antibody (2R89)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 45 kDa. Actual: 45 kDa.
Clone:	2R89
Purification:	Protein A purified

Applications

Verified Activity:	25 μg total protein per lane of various lysates (see on figure) probed with CD95/FAS monoclonal antibody, unconjugated (TMAB-04102) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
Application:	WB,IHC-P,IHC-F,IF,ELISA,IP
Recommended	WB=1:500-2000,IHC-P=1:100-200,IHC-F=1:100-200,IF=1:100-200,ELISA=1:5000-10000,IP=1:50-100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: protein human CD95/FAS
Antigen Species:	Human
Gene ID:	355
Uniprot ID:	P25445

Research Background

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contains a death domain. It has been shown to play a central role in the physiological regulation of programmed cell death, and has been implicated in the pathogenesis of various malignancies and diseases of the immune system. The interaction of this receptor with its ligand allows the formation of a death-inducing signaling complex that includes Fas-associated death domain protein (FADD), caspase 8, and caspase 10. The autoproteolytic processing of the caspases in the complex triggers a downstream caspase cascade, and leads to apoptosis. This receptor has been also shown to activate NF-kappaB, MAPK3/ERK1, and MAPK8/JNK, and is found to be involved in transducing the proliferating signals in normal diploid fibroblast and T cells. Several alternatively spliced transcript variants have been described, some of which are candidates for nonsense-mediated mRNA decay (NMD). The isoforms lacking the transmembrane domain may negatively regulate the apoptosis mediated by the full length isoform. [provided by RefSeq, Mar 2011]

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