ARG66139
anti-CD95 / Fas antibody (Biotin)

Package: 50 µg
Store at: 4°C

Summary

Product Description	Biotin-conjugated Rabbit Polyclonal antibody recognizes CD95 / Fas
Tested Reactivity	Hu
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD95 / Fas
Species	Human
Immunogen	E. coli derived recombinant Human CD95 / Fas. (MRLSSKSVNA QVTDINSKGL ELRKTVTTVE TQNLEGLHHD GQFCHKPCPP GERKARDCTV NGDEPDCVPC QEGKEYTDKA HFSSKCRRCR LCDEGHGLEV EINCTRTQNT KCRCKPNFFC NSTVCEHCDP CTKCEHGIIK ECTLTSNTKC KEEGSRS)
Conjugation	Biotin
Alternate Names	CD95; Apoptosis-mediating surface antigen FAS; FAS1; Tumor necrosis factor receptor superfamily member 6; ALPS1A; APT1; FASTM; CD antigen CD95; APO-1; TNFRSF6; FASLG receptor; Apo-1 antigen

Application Instructions

Application table

Application	Dilution
ELISA	Direct: ~ 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG66138 as a capture antibody
WB	0.1 - 0.2 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

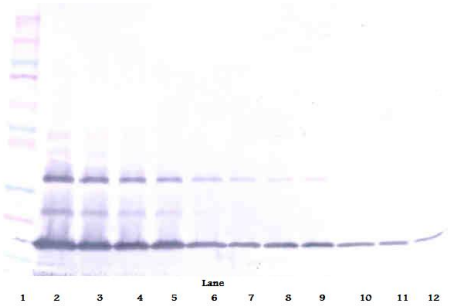
Properties

Form	Liquid
Purification	Purified by affinity chromatography.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

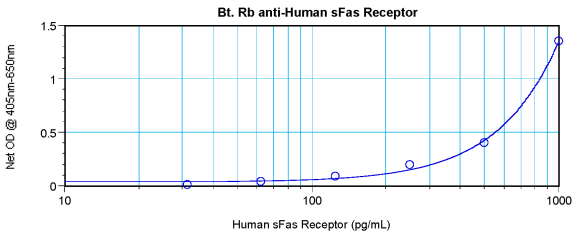
Database links	GeneID: 355 Human Swiss-port # P25445 Human
Gene Symbol	FAS
Gene Full Name	Fas cell surface death receptor
Background	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contains a death domain. It has been shown to play a central role in the physiological 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]
Function	Receptor for TNFSF6/FASLG. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. FAS-mediated apoptosis may have a role in the induction of peripheral tolerance, in the antigen-stimulated suicide of mature T-cells, or both. The secreted isoforms 2 to 6 block apoptosis (in vitro). [UniProt]
Highlight	Related products: CD95 antibodies; CD95 ELISA Kits; Anti-Rabbit IgG secondary antibodies;
Calculated Mw	38 kDa
PTM	N- and O-glycosylated. O-glycosylated with core 1 or possibly core 8 glycans.

Images



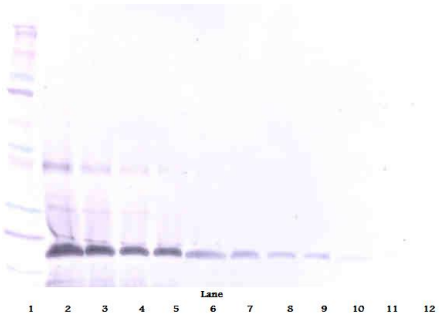
ARG66139 anti-CD95 / Fas antibody (Biotin) WB image

Western blot: 250 - 0.24 ng of Human sFas Receptor stained with ARG66139 anti-CD95 / Fas antibody (Biotin), under non-reducing conditions.



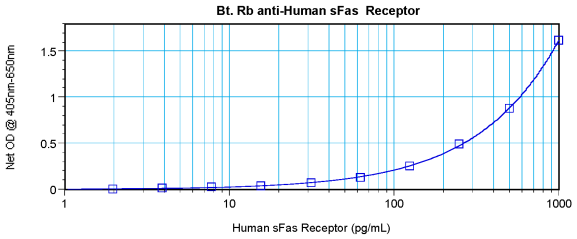
ARG66139 anti-CD95 / Fas antibody (Biotin) standard curve image

Direct ELISA: ARG66139 anti-CD95 / Fas antibody (Biotin) at ~ 1.0 µg/ml results of a typical standard run with optical density reading at 405 - 650 nm.



ARG66139 anti-CD95 / Fas antibody (Biotin) WB image

Western blot: 250 - 0.24 ng of Human sFas Receptor stained with ARG66139 anti-CD95 / Fas antibody (Biotin), under reducing conditions.



ARG66139 anti-CD95 / Fas antibody (Biotin) standard curve image

Sandwich ELISA: ARG66139 anti-CD95 / Fas antibody (Biotin) as a detection antibody at 0.25 - 1.0 µg/ml combined with ARG66138 anti-CD95 / Fas antibody as a capture antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.