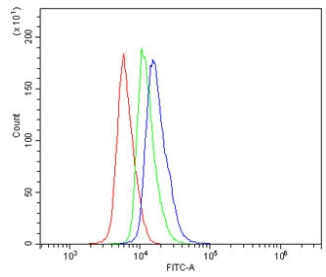
Fas Antibody (RQ6052)

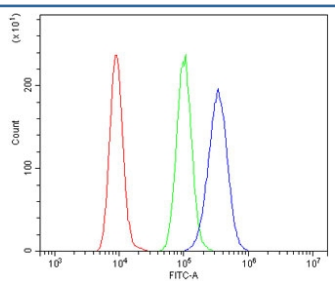
Catalog No.	Formulation	Size
RQ6052	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P25446
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Fas antibody is available for research use only.



Flow cytometry testing of mouse spleen cells with Fas antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Fas antibody.



Flow cytometry testing of mouse RAW264.7 cells with Fas antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Fas antibody.

Western blot testing of 1) rat thymus and 2) mouse RAW264.7 cell lysate with Fas antibody. Predicted molecular weight: 35-38 kDa (unmodified), 40-55 kDa (glycosylated).

Description

FAS (also known as surface antigen APO1 or CD95) is a member of the tumour-necrosis receptor factor family of death receptors. It acts as an inducer of both neurite growth in vitro and accelerated recovery after nerve injury in vivo. FAS antigen is expressed and functional on papillary thyroid cancer cells and this may have potential therapeutic significance. The FAS antigen shows structural homology with a number of cell surface receptors, including tumor necrosis factor (TNF) receptors and the low-affinity nerve growth factor receptor (NGFR) and it is mapped to 10q24.1. The FAS and FASL system plays a key role in regulating apoptotic cell death and corruption of this signaling pathway has been shown to participate in immune escape and tumorigenesis.

Application Notes

Optimal dilution of the Fas antibody should be determined by the researcher.

Immunogen

Recombinant mouse protein (amino acids E46-K279) was used as the immunogen for the Fas antibody.

Storage

After reconstitution, the Fas antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.