For Research Use Only

Fas Recombinant monoclonal antibody

Catalog Number:88850-1-RR

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Basic Information

Catalog Number:
88850-1-RR

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG2603

GenBank Accession Number:
/

GeneID (NCBI):
246097

UNIPROT ID:
Q63199

Full Name:
Fas (TNF receptor superfamily, member 6)

Calculated MW:
37 kDa

Observed MW:
45 kDa

Purification Method:
Protein A purification

CloneNo.:
261219A7

Recommended Dilutions:
WB: 1:1000-1:4000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
mouse, rat

Positive Controls:

WB : rat brain tissue, CTLL-2 cells, mouse brain tissue, rat retina tissue

Background Information

Rat Fas (also known as CD95, APO 1, or TNFRSF6) is a type I transmembrane glycoprotein belonging to the tumor necrosis factor receptor superfamily (TNFRSF). Upon binding to its ligand FasL (CD95L), this protein recruits FADD and caspase 8, thereby activating the extrinsic apoptotic pathway. In disease states, dysregulation of the Fas/FasL system is closely associated with autoimmune lymphoproliferative syndrome (ALPS), hepatitis, liver failure, and tumor immune evasion. Furthermore, Fas signaling is involved in the regulation of apoptosis in neurodegenerative diseases, cardiovascular diseases, and diabetic complications, making it a core molecule in the study of cell death, immune tolerance, and inflammatory diseases.

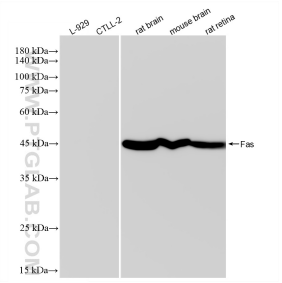
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Aliquoting is unnecessary for -20°C storage

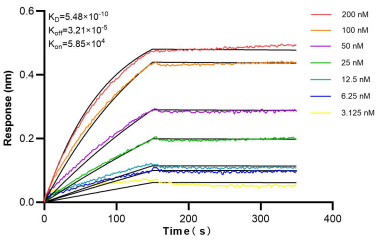
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88850-1-RR (Fas antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. Fas deficient cell line L-929 and CTLL-2 were served as a negative control.



Biolayer interferometry (BLI) kinetic assays of 88850-1-RR against Rat Fas were performed. The affinity constant is 548 pM.