For Research Use Only

Rat Fas Recombinant monoclonal antibody, PBS Only

Catalog Number:88850-1-PBS

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Basic Information

Catalog Number:
88850-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

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

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
mouse, rat

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.

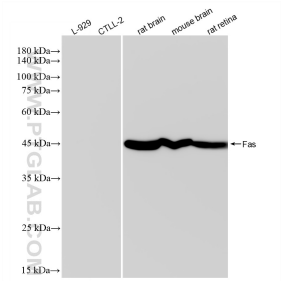
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

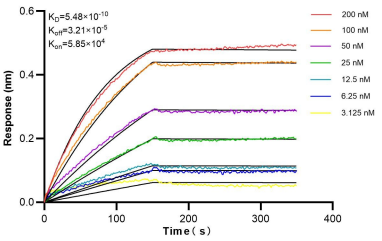
For technical support and original validation data for this product please contact:
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Selected Validation Data



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. This data was developed using the same antibody clone with 88850-1-PBS in a different storage buffer formulation.



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