For Research Use Only

Anti-Human Survivin Rabbit Recombinant Antibody

Catalog Number:98624-2-RR

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Basic Information

Catalog Number:
98624-2-RR

Size:
100ug , 1000 µg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG4645

GenBank Accession Number:
/

GeneID (NCBI):
332

UNIPROT ID:
O15392-1

Full Name:
baculoviral IAP repeat-containing 5

Calculated MW:
16kDa

Purification Method:
Protein A purification

CloneNo.:
251227E5

Recommended Dilutions:
FC (Intra): 0.25 ug per 10^6 cells in a 100 µl suspension

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human

Positive Controls:

FC (Intra) : human PBMCs,

Background Information

Survivin, also called BIRC5, is a unique member of the inhibitor of apoptosis (IAP) protein family. Survivin is a 16 kDa anti-apoptotic protein highly expressed during fetal development and cancer cell malignancy, but is completely absent in terminally differentiated cells. The differential expression of survivin in cancer versus normal tissues makes it a useful tool in cancer diagnosis and a promising therapeutic target. Survivin expression is also highly regulated by the cell cycle and is only expressed in the G2-M phase. It is known that survivin localizes to the mitotic spindle by interaction with tubulin during mitosis and may play a contributing role in regulating mitosis. Disruption of survivin-microtubule interactions results in loss of survivin's anti-apoptosis function and increased caspase-3 activity, a mechanism involved in cell death, during mitosis. It also is a direct target gene of the Wnt pathway and is upregulated by beta-catenin.

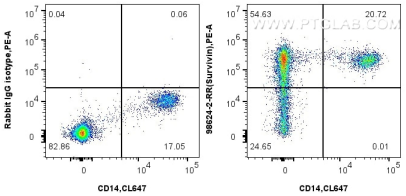
Storage

Storage:
Store at 2 - 8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

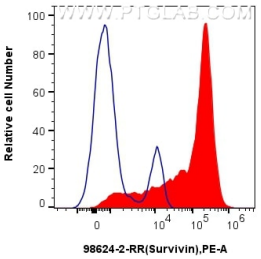
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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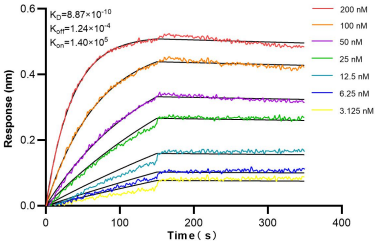
Selected Validation Data



1x10^6 human PBMCs were intracellularly stained with 0.25 ug Anti-Human Survivin Rabbit RecAb (98624-2-RR, Clone: 251227E5) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with CoraLite® Plus 647 Anti-Human CD14 (26IC) (CL647-65246, Clone: 26IC). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019). Cells



1x10^6 human PBMCs were intracellularly stained with 0.25 ug Anti-Human Survivin Rabbit RecAb (98624-2-RR, Clone: 251227E5) (red) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019). Cells were incubated with FC Receptor Block prior to staining.



Biolayer interferometry (BLI) kinetic assays of 98624-2-RR against Human Survivin were performed. The affinity constant is 0.887 nM.