

For Research Use Only

RAD51C Recombinant monoclonal antibody

Catalog Number: 84537-5-RR



Basic Information

Catalog Number: 84537-5-RR	GenBank Accession Number: BC107753	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 5889	CloneNo.: 241971A11
Isotype: IgG	UNIPROT ID: O43502	Recommended Dilutions: WB: 1:5000-1:50000 FC (Intra): 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Immunogen Catalog Number: AG35070	Full Name: RAD51 homolog C (S. cerevisiae)	
	Calculated MW: 376 aa, 42 kDa	
	Observed MW: 40-42 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls:
Species Specificity: human, mouse	WB : HEK-293T cells, HeLa cells, MDA-MB-231 cells, MCF-7 cells, T-47D cells, mouse testis tissue
	FC (Intra) : MCF-7 cells,

Background Information

RAD51C (DNA repair protein RAD51 homolog 3) is essential for the homologous recombination (HR) pathway of DNA repair and is involved in the homologous recombination repair (HRR) pathway of double-stranded DNA breaks arising during DNA replication or induced by DNA-damaging agents (PMID: 14716019; 16215984; 16395335).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

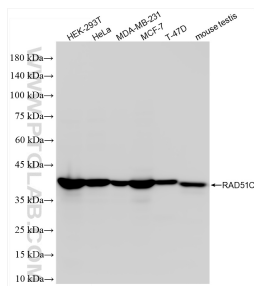
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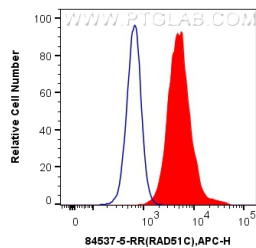
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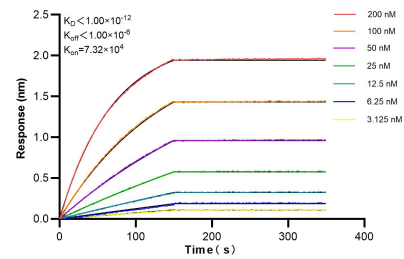
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84537-5-RR (RAD51C antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10⁶ MCF-7 cells were intracellularly stained with 0.25 ug RAD51C Recombinant antibody (84537-5-RR, Clone:241971A11) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.



Biolayer interferometry (BLI) kinetic assays of 84537-5-RR against Human RAD51C were performed. The affinity constant is below 1 pM.