

For Research Use Only

MTMR15 Recombinant antibody

Catalog Number:83622-6-RR



Basic Information

Catalog Number: 83622-6-RR	GenBank Accession Number: BC047882	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 22909	CloneNo.: 240629E4
Source: Rabbit	UNIPROT ID: Q9Y2M0	
Isotype: IgG	Full Name: myotubularin related protein 15	
Immunogen Catalog Number: AG11651	Calculated MW: 60 kDa, 114 kDa	

Applications

Tested Applications:
FC (Intra), ELISA

Species Specificity:
human

Background Information

MTMR15, also named as FAN1 and KIAA1018, is a nuclease required for the repair of DNA interstrand cross-links (ICL) recruited at sites of DNA damage by monoubiquitinated FANCD2. It is specifically involved in repair of ICL-induced DNA breaks by being required for efficient homologous recombination, probably in the resolution of homologous recombination intermediates. MTMR15 has some isoforms with MW 114 kDa and 60 kDa. The MW will be migrated to 120-140 kDa and 63-68 kDa with modification.

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

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

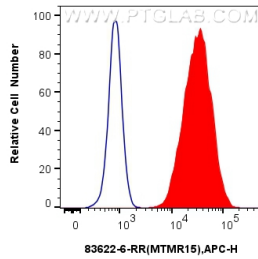
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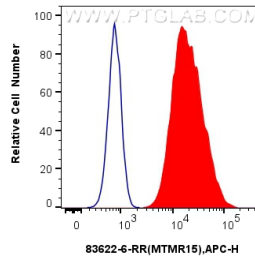
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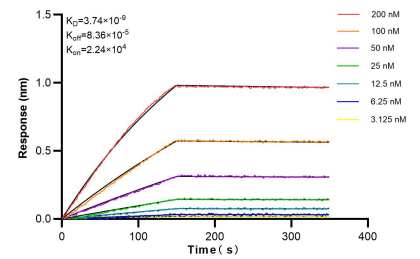
Selected Validation Data



1x10⁶ K-562 cells were intracellularly stained with 0.25 µg Mtmr15 Recombinant Antibody (83622-6-RR, Clone:240629E4) (red), or 0.25 µg Isotype Control (blue) and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



1x10⁶ A431 cells were intracellularly stained with 0.25 µg Mtmr15 Recombinant Antibody (83622-6-RR, Clone:240629E4) (red), or 0.25 µg Isotype Control (blue) and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Bi-layer interferometry (BLI) kinetic assays of 83622-6-RR against Human MTMR15 were performed. The affinity constant is 3.74 nM.