TBX20 Recombinant antibody, PBS Only (Capture)

Catalog Number:83414-3-PBS

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Basic Information

Catalog Number: 83414-3-PBS	**GenBank Accession Number:** BC120946	**Purification Method:** Protein A purification
Size: 1 mg/ml	**GeneID (NCBI):** 57057	**CloneNo.:** 240385H6
Source: Rabbit	**UNIPROT ID:** Q9UMR3	
Isotype: IgG	**Full Name:** T-box 20	
Immunogen Catalog Number: AG18501	**Calculated MW:** 297 aa, 33 kDa	

Applications

Tested Applications:
IHC, IF/ICC, FC (Intra), Cytometric bead array, Indirect ELISA

Species Specificity:
human

Background Information

Tbx20 is a transcription factor that is essential for proper heart development in a growing fetus. Any mutations in this gene can result in various forms of congenital heart disease.

Storage

Storage:
Store at -80℃.
The product is shipped with ice packs. Upon receipt, store it immediately at -80℃
Storage Buffer:
PBS Only

Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 83414-3-RR (TBX20 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83414-3-PBS in a different storage buffer formulation.
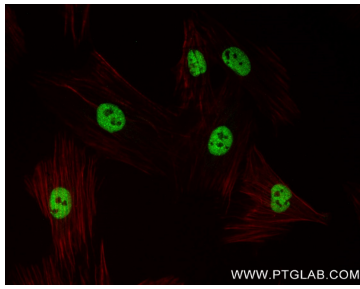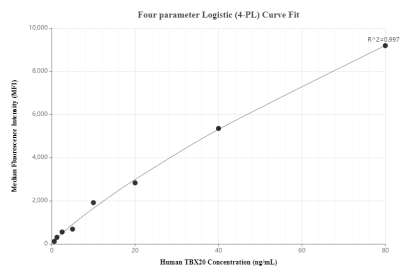
Immunofluorescent analysis of (4% PFA) fixed H9C2 cells using TBX20 antibody (83414-3-RR, Clone: 240385H6) at dilution of 1:250 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red). This data was developed using the same antibody clone with 83414-3-PBS in a different storage buffer formulation.
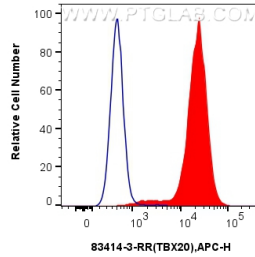
1x10^6 K562 were intracellularly stained with 0.25 ug Tbx20 Recombinant Antibody (83414-3-RR, Clone:240385H6) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 83414-3-PBS in a different storage buffer formulation.

Cytometric bead array standard curve of MP00401-1, TBX20 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83414-3-PBS. Detection antibody: 83414-1-PBS. Standard: Ag18501. Range: 0.625-80 ng/mL.
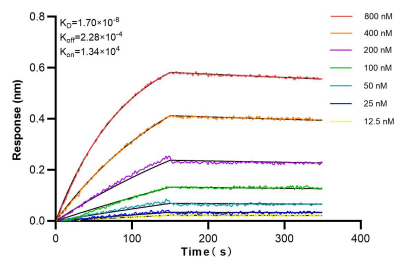
Biolayer interferometry (BLI) kinetic assays of 83414-3-RR against Human TBX20 were performed. The affinity constant is 17 nM.