Certificate of Analysis
Human Cardiomyocyte Immunocytochemistry Kit, 1 Kit

molecular probes® by life technologies™

Part Number: A25973
Lot Number: 1868065
Immediate Storage: –20°C
Shipping Conditions: dry ice

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Components:

Description	Composition	Quantity	Part Number	Lot Number
anti-NKX2-5 (host: rabbit)	1000X, aqueous antibody solution	10 µL	A25974	74117378C
anti-TNNT2 (host: mouse)	1000X, aqueous antibody solution	10 µL	A25969	74505864B
Alexa Fluor® 555 donkey anti-rabbit	250X, aqueous antibody solution	40 µL	A25971	1837922B
Alexa Fluor® 594 donkey anti-rabbit	250X, aqueous antibody solution	40 µL	A25970	1744751F
Alexa Fluor® 488 donkey anti-mouse	250X, aqueous antibody solution	40 µL	A25972	1820538B
NucBlue® Fixed Cell Stain	DAPI nuclear DNA stain, aqueous dye solution	1 vial	R37606	1802093
Fixative Solution	1X, 4% paraformaldehyde in DPBS	10 mL	A24344	1868061A
Permeabilization Solution S	1X, 1% Saponin in DPBS	10 mL	A24878	1850037A
Blocking Solution	1X, 3% BSA in DPBS	20 mL	A24353	1864155A
Wash Buffer	10X, DPBS	20 mL	A24348	1809357A

Storage and Handling: The performance of this product is guaranteed for 6 months from the date of purchase if stored and handled properly.

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Description	Storage and Handling
anti-NKX2-5 (host: rabbit)	Dilute with blocking solution. Use aseptic technique. Store at 4°C for up to 6 months.[1]
anti-TNNT2 (host: mouse)	Dilute with blocking solution. Use aseptic technique. Store at 4°C for up to 6 months.[1]
Alexa Fluor® 555 donkey anti-rabbit	Ex/Em 555/565 nm (orange); ***for use with anti-NKX2-5*** Use aseptic technique. Store at 4°C for up to 6 months.[1] **Labeled secondary antibodies require spinning.[2]**
Alexa Fluor® 594 donkey anti-rabbit	Ex/Em 590/617 nm (red); ***for use with anti-NKX2-5*** Use aseptic technique. Store at 4°C for up to 6 months.[1] **Labeled secondary antibodies require spinning.[2]**
Alexa Fluor® 488 donkey anti-mouse	Ex/Em 495/519 nm (green); ***for use with anti-TNNT2*** **Use aseptic technique.** **Store at 4°C for up to 6 months.[1]** **Labeled secondary antibodies require spinning.[2]**
NucBlue® Fixed Cell Stain	Ex/Em 358/461 (blue); apply 2 drops/mL. Use aseptic technique. -20°C to ambient.
Fixative Solution	Use aseptic technique. -20°C to ambient.
Permeabilization Solution S	Use aseptic technique. -20°C to ambient.
Blocking Solution	Use aseptic technique. -20°C to ambient.
Wash Buffer	Dilute to 1X with water before using. Use aseptic technique. -20°C to ambient.

[1] Allow frozen reagents to thaw completely before using them. **Once thawed, the kit components should not be refrozen (aliquots not recommended).**

[2] **Centrifuge secondary antibody solutions** for 2 minutes at 10,000 x g and add only the supernatant to the Blocking Solution. This step eliminates any antibody aggregates that may have formed during storage, thereby reducing non-specific background staining.

Protocol or Product Information Sheet: Visit www.lifetechnologies.com and search on part number A25973 and select manuals.

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