

Certificate of Analysis

PSC 4-marker Immunocytochemistry Kit , 1 Kit

molecular
probes®
by life technologies™

Part Number: A24881
Lot Number: 1745729A
Immediate Storage: -20°C
Shipping Conditions: dry ice

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Components:

Description	Composition	Quantity	Part Number	Lot Number
anti-OCT4 (host:rabbit)	100X, aqueous antibody solution	20 µL	A24867	74210738A
anti-SSEA4 (host: mouse IgG3)	100X, aqueous antibody solution	20 µL	A24866	1561537AB
anti-SOX2 (host: rat)	100X, aqueous antibody solution	20 µL	A24759	CD14111A
anti-TRA-1-60 (host: mouse IgM)	100X, aqueous antibody solution	20 µL	A24868	PJ210381B
Alexa Fluor® 555 donkey anti-rabbit	250X, aqueous antibody solution	20 µL	A24869	1671993C
Alexa Fluor® 594 donkey anti-rabbit	250X, aqueous antibody solution	20 µL	A24870	1602780K
Alexa Fluor® 488 goat anti-mouse IgG3	250X, aqueous antibody solution	20 µL	A24877	1563682C
Alexa Fluor® 488 donkey anti-rat	250X, aqueous antibody solution	20 µL	A24876	1512095A
Alexa Fluor® 555 donkey anti-mouse IgM	250X, aqueous antibody solution	20 µL	A24871	1708371A
Alexa Fluor® 594 donkey anti-mouse IgM	250X, aqueous antibody solution	20 µL	A24872	1700381B
NucBlue® Fixed Cell Stain	DAPI nuclear DNA stain, aqueous dye solution	1 vial	R37606	1660846
Fixative Solution	1X, 4% paraformaldehyde in DPBS	10 mL	A24344	1683369C
Permeabilization Solution S	1X, 1% Saponin in DPBS	10 mL	A24878	1707357A
Blocking Solution	1X, 3% BSA in DPBS	20 mL	A24353	1655659A
Wash Buffer	10X, DPBS	20 mL	A24348	1677501A

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-OCT4 (host:rabbit)	Dilute with blocking solution. Use aseptic technique. Store at 4°C for up to 6 months. ¹
anti-SSEA4 (host: mouse IgG3)	Dilute with blocking solution. Use aseptic technique. Store at 4°C for up to 6 months. ¹
anti-SOX2 (host: rat)	Dilute with blocking solution. Use aseptic technique. Store at 4°C for up to 6 months. ¹
anti-TRA-1-60 (host: mouse IgM)	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-OCT4 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-OCT4 Use aseptic technique. Store at 4°C for up to 6 months. ¹ Labeled secondary antibodies require spinning.²
Alexa Fluor® 488 goat anti-mouse IgG3	Ex/Em 495/519 nm (green); for use with anti-SSEA4. Use aseptic technique. Store at 4°C for up to 6 months. ¹ Labeled secondary antibodies require spinning.²
Alexa Fluor® 488 donkey anti-rat	Ex/Em 495/519 nm (green); for use with anti-SOX2. Use aseptic technique. Store at 4°C for up to 6 months. ¹ Labeled secondary antibodies require spinning.²
Alexa Fluor® 555 donkey anti-mouse IgM	Ex/Em 555/565 nm (orange); for use with anti-TRA-1-60 Use aseptic technique. Store at 4°C for up to 6 months. ¹ Labeled secondary antibodies require spinning.²
Alexa Fluor® 594 donkey anti-mouse IgM	Ex/Em 590/617 nm (red); for use with anti-TRA-1-60 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.

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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 A24881 and select manuals.

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NucBlue is a registered trademark of Life Technologies Corporation.