

# Certificate of Analysis

## PSC 4-marker Immunocytochemistry Kit , 1 Kit

**invitrogen**  
by Thermo Fisher Scientific

**Part Number:** A24881

**Lot Number:** 3238539

**Immediate Storage:** -20°C

**Shipping Conditions:** dry ice

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### Components:

Description	Composition	Quantity	Part Number	Lot Number
anti-OCT4 (host: rabbit)	200X, aqueous antibody solution	10 µL	A24867	20J
anti-SSEA4 (host: mouse IgG3)	100X, aqueous antibody solution	20 µL	A24866	AB405600A
anti-SOX2 (host: rat)	100X, aqueous antibody solution	20 µL	A24759	LLH10D0318A
anti-TRA-1-60 (host: mouse IgM)	100X, aqueous antibody solution	20 µL	A24868	ZA389773C
Alexa Fluor® 555 donkey anti-rabbit	250X, aqueous antibody solution	20 µL	A24869	3029771A
Alexa Fluor® 594 donkey anti-rabbit	250X, aqueous antibody solution	20 µL	A24870	2897798C
Alexa Fluor® 488 goat anti-mouse IgG3	250X, aqueous antibody solution	20 µL	A24877	2831350D
Alexa Fluor® 488 donkey anti-rat	250X, aqueous antibody solution	20 µL	A24876	2892444B
Alexa Fluor® 555 donkey anti-mouse IgM	250X, aqueous antibody solution	20 µL	A24871	2935317A
Alexa Fluor® 594 donkey anti-mouse IgM	250X, aqueous antibody solution	20 µL	A24872	2720382E
NucBlue® Fixed Cell Stain	DAPI nuclear DNA stain, aqueous dye solution	1 vial	R37606	3123552
Fixative Solution	1X, 4% paraformaldehyde in DPBS	10 mL	A24344	2900557A
Permeabilization Solution S	1X, 1% Saponin in DPBS	10 mL	A24878	3063035A
Blocking Solution	1X, 3% BSA in DPBS	20 mL	A24353	3062989A
Wash Buffer	10X, DPBS	20 mL	A24348	2995283A

**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. <sup>1</sup>
anti-SSEA4 (host: mouse IgG3)	Dilute with blocking solution. Use aseptic technique. Store at 4°C for up to 6 months. <sup>1</sup>
anti-SOX2 (host: rat)	Dilute with blocking solution. Use aseptic technique. Store at 4°C for up to 6 months. <sup>1</sup>
anti-TRA-1-60 (host: mouse IgM)	Dilute with blocking solution. Use aseptic technique. Store at 4°C for up to 6 months. <sup>1</sup>
Alexa Fluor® 555 donkey anti-rabbit	Ex/Em 555/565 nm (orange); <b>for use with anti-OCT4</b> Use aseptic technique. Store at 4°C for up to 6 months. <sup>1</sup> <b>Labeled secondary antibodies require spinning.<sup>2</sup></b>
Alexa Fluor® 594 donkey anti-rabbit	Ex/Em 590/617 nm (red); <b>for use with anti-OCT4</b> Use aseptic technique. Store at 4°C for up to 6 months. <sup>1</sup> <b>Labeled secondary antibodies require spinning.<sup>2</sup></b>
Alexa Fluor® 488 goat anti-mouse IgG3	Ex/Em 495/519 nm (green); <b>for use with anti-SSEA4.</b> Use aseptic technique. Store at 4°C for up to 6 months. <sup>1</sup> <b>Labeled secondary antibodies require spinning.<sup>2</sup></b>
Alexa Fluor® 488 donkey anti-rat	Ex/Em 495/519 nm (green); <b>for use with anti-SOX2.</b> Use aseptic technique. Store at 4°C for up to 6 months. <sup>1</sup> <b>Labeled secondary antibodies require spinning.<sup>2</sup></b>
Alexa Fluor® 555 donkey anti-mouse IgM	Ex/Em 555/565 nm (orange); <b>for use with anti-TRA-1-60</b> Use aseptic technique. Store at 4°C for up to 6 months. <sup>1</sup> <b>Labeled secondary antibodies require spinning.<sup>2</sup></b>
Alexa Fluor® 594 donkey anti-mouse IgM	Ex/Em 590/617 nm (red); <b>for use with anti-TRA-1-60</b> Use aseptic technique. Store at 4°C for up to 6 months. <sup>1</sup> <b>Labeled secondary antibodies require spinning.<sup>2</sup></b>
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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<sup>1</sup> Allow frozen reagents to thaw completely before using them. **Once thawed, the kit components should not be refrozen (aliquots not recommended).**

<sup>2</sup> **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](http://www.lifetechnologies.com) and search on part number A24881 and select manuals.

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