

# Product Datasheet

## SSEA-1 Antibody (MC-480) - Azide and BSA Free NBP2-80961

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-80961**

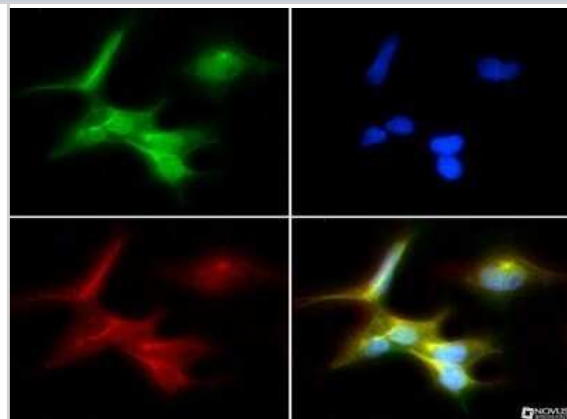
SSEA-1 Antibody (MC-480) - Azide and BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	MC-480
Preservative	No Preservative
Isotype	IgM
Purity	IgM purified
Buffer	Tris-Glycine, 0.15 M NaCl
Product Description	
Description	Novus Biologicals Mouse SSEA-1 Antibody (MC-480) - Azide and BSA Free (NB100-1831) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and Simple Western. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	2526
Gene Symbol	FUT4
Species	Human, Mouse, Rat, Chimpanzee
Reactivity Notes	This antibody recognizes SSEA-1 in mouse EC and ES cells but not human, but SSEA1 is expressed by some human differentiated cell types (ie: trophoblasts). Reactivity with Rat is reported by Kim et al. 2007 (PMID 17548530). Use in Chimpanzee reported in scientific literature (PMID:32045848).
Immunogen	F9 tetracarcinoma stem cells (X-irradiated).
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 2 ug/ml, Simple Western 1:10, Flow Cytometry 2.5 ug/million cells, Immunohistochemistry 1:50-1:200, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:50-1:200, Immunohistochemistry-Frozen 1:50-1:200
Application Notes	<p>This SSEA1 antibody is useful for Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Frozen and Paraffin.</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point.</p> <p>See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: antibody dilution of 1:10. Separated by Size-Wes, Sally Sue/Peggy Sue.</p>

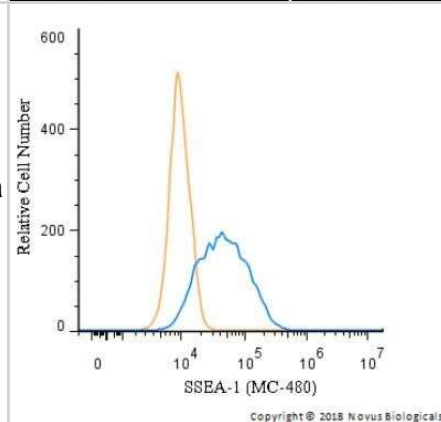


## Images

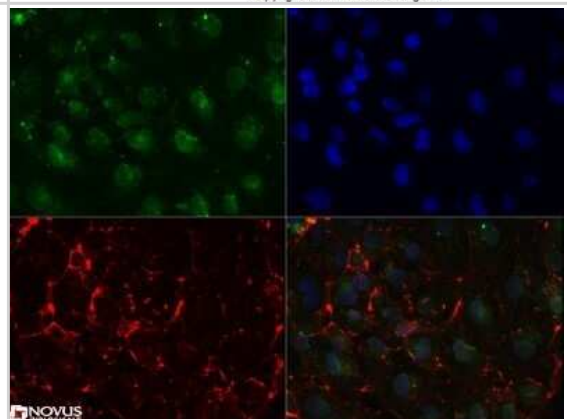
**Immunocytochemistry/Immunofluorescence: SSEA-1 Antibody (MC-480) - Azide and BSA Free [NBP2-80961]** - SSEA1 antibody was tested in Ntera-2 cells with FITC (green). Nuclei and alpha-tubulin were counterstained with Dapi (blue) and Dylight 550 (red). Image from the standard format of this antibody.



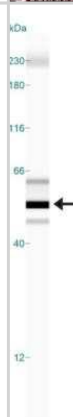
**Flow Cytometry: SSEA-1 Antibody (MC-480) - Azide and BSA Free [NBP2-80961]** - An intracellular stain was performed on Jurkat cells with SSEA-1 Antibody (MC-480)NB100-1831 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature, followed by mouse IgM Alexa Fluor 488-conjugated secondary antibody. Image from the standard format of this antibody.



**Immunocytochemistry/Immunofluorescence: SSEA-1 Antibody (MC-480) - Azide and BSA Free [NBP2-80961]** - SSEA1 antibody (0.1ug/ml) was tested in Ntera2 cells with Dylight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and Dylight 550 (red). Image objective 40x. Image from the standard format of this antibody.



**Simple Western: SSEA-1 Antibody (MC-480) - Azide and BSA Free [NBP2-80961]** - Simple Western lane view shows a specific band for SSEA1 in 0.5 mg/ml of Human Brain lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system. Image from the standard format of this antibody.





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### **Products Related to NBP2-80961**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97007	Mouse IgM Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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