

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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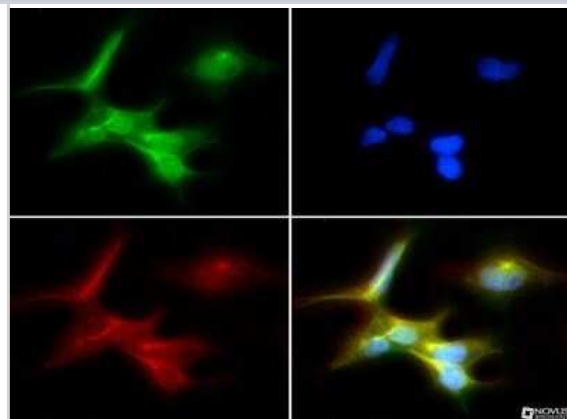
NBP2-80961

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

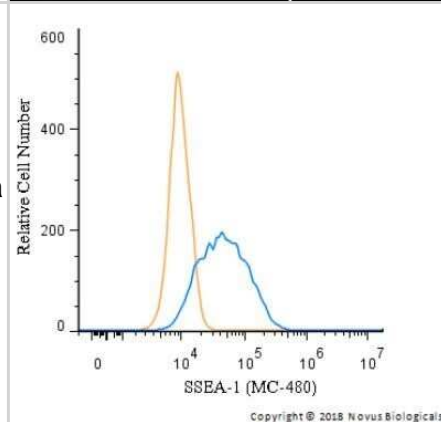
| Product Information | |
|------------------------------------|--|
| Unit Size | 0.1 ml |
| Concentration | 1 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | MC-480 |
| Preservative | No Preservative |
| Isotype | IgM |
| Purity | IgM purified |
| Buffer | Tris-Glycine, 0.15 M NaCl |
| Product Description | |
| 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 teracarcinoma stem cells (X-irradiated). |
| Product Application Details | |
| Applications | Western Blot, Simple Western, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin |
| 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. See Simple Western Antibody Database for Simple Western validation: antibody dilution of 1:10. Separated by Size-Wes, Sally Sue/Peggy Sue.</p> |

Images

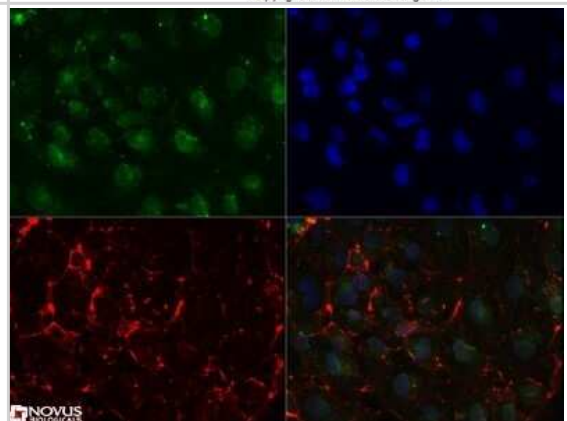
Immunocytochemistry/Immunofluorescence: SSEA-1 Antibody (MC-480) - Azide and BSA Free [NBP2-80961] - SSEA1 antibody was tested in Ntera-2 cells with FITC (green). Nuclei and alpha-tubulin were counterstained with Dapi (blue) and Dylight 550 (red). Image from the standard format of this antibody.



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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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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