

# Product Datasheet

## TRA-1-81 Antibody (TRA-1-81) - Azide and BSA Free NBP2-80986

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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**NBP2-80986**

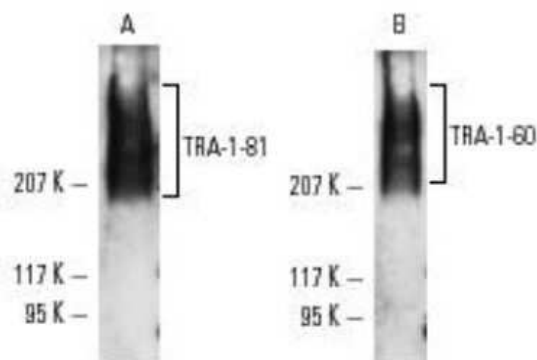
TRA-1-81 Antibody (TRA-1-81) - Azide and BSA Free

| 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                       | TRA-1-81                                                                                                                                                                                                                                                                                                                                                   |
| Preservative                | No Preservative                                                                                                                                                                                                                                                                                                                                            |
| Isotype                     | IgM                                                                                                                                                                                                                                                                                                                                                        |
| Purity                      | IgM purified                                                                                                                                                                                                                                                                                                                                               |
| Buffer                      | Tris-Glycine, 0.15 M NaCl                                                                                                                                                                                                                                                                                                                                  |
| Product Description         |                                                                                                                                                                                                                                                                                                                                                            |
| Description                 | Novus Biologicals Mouse TRA-1-81 Antibody (TRA-1-81) - Azide and BSA Free (NB100-1833) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.                                                                                                                     |
| Host                        | Mouse                                                                                                                                                                                                                                                                                                                                                      |
| Gene ID                     | 5420                                                                                                                                                                                                                                                                                                                                                       |
| Species                     | Human, Mouse (Negative)                                                                                                                                                                                                                                                                                                                                    |
| Reactivity Notes            | This antibody recognizes the TRA-1-81 antigen that is expressed upon the surface of human teratocarcinoma stem cells (EC), human embryonic germ cells (EG) and human embryonic stem cells (ES). No immunoreactivity is seen with murine EC, EG or ES cells. This antibody recognizes antigens that are associated with a pericellular matrix proteoglycan. |
| Immunogen                   | Human embryonal carcinoma cell line 2102Ep.                                                                                                                                                                                                                                                                                                                |
| Product Application Details |                                                                                                                                                                                                                                                                                                                                                            |
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation                                                                                                                                                                               |
| Recommended Dilutions       | Western Blot 1:500, Flow Cytometry 1:10-1:1000. Use reported in scientific literature, Immunohistochemistry 1:50-1:200, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:50-1:200, Immunohistochemistry-Frozen 1:50-1:200                                                               |

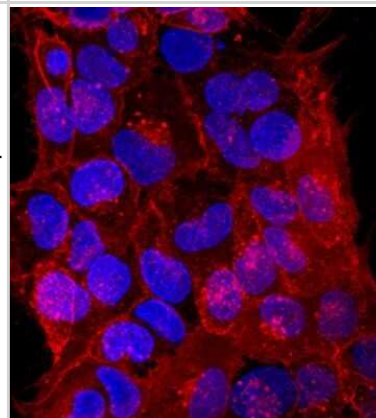


## Images

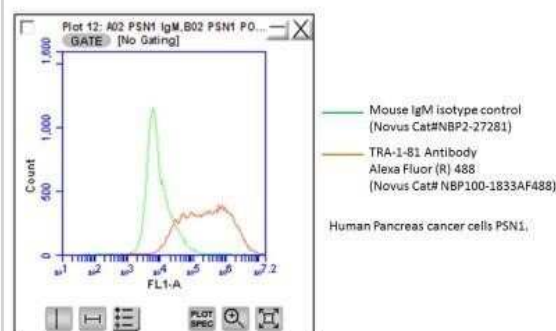
Western Blot: TRA-1-81 Antibody (TRA-1-81) - Azide and BSA Free [NBP2-80986] - Analysis of NB100-1833 expression in NTERA-2 cl.D1 whole cell lysate. Image from the standard format of this antibody.



Immunocytochemistry/Immunofluorescence: TRA-1-81 Antibody (TRA-1-81) - Azide and BSA Free [NBP2-80986] - TRA-1-81 was detected in immersion fixed BG01V human embryonic stem cells using Mouse Anti-Human TRA-1-81 Monoclonal Antibody (Catalog # NB100-1833) at 10 ug/mL for 3 hours at room temperature. Cells were stained using an Anti-Mouse IgM Secondary Antibody (red) and counterstained with DAPI (blue). Specific staining was localized to cell membrane. Image from the standard format of this antibody.



Flow Cytometry: TRA-1-81 Antibody (TRA-1-81) - Azide and BSA Free [NBP2-80986] - Analysis using the Alexa Fluor (R) 488 conjugate of NB100-1833. Staining of human cancer line PSN1. Image from verified customer review.





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### **Products Related to NBP2-80986**

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|            |                                                         |
|------------|---------------------------------------------------------|
| HAF007     | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B    | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-97007 | Mouse IgM Isotype Control                               |
| 210-TA-005 | TNF-alpha [Unconjugated]                                |

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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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