

Product Datasheet

Human ESC Marker Antibody Pack NBP1-42825

Unit Size: 9 Vials

Storage is content dependent.

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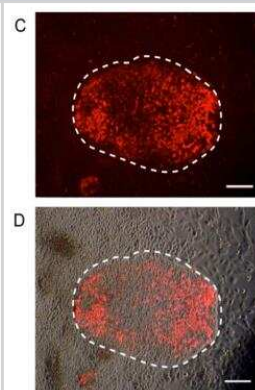


NBP1-42825**Human ESC Marker Antibody Pack**

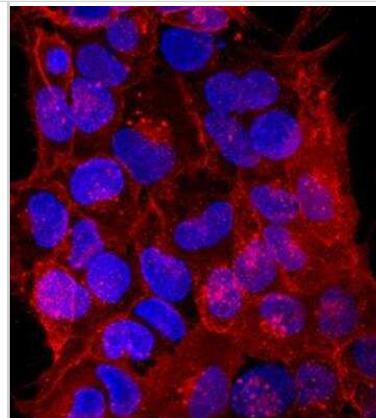
Product Information	
Unit Size	9 Vials
Concentration	Concentration of individual antibodies may be found on the vial label. If unlisted please contact technical services.
Storage	Storage is content dependent.
Product Description	
Description	This pack contains 1 vial each of: NB100-730 (0.1 mL), NB100-1831 (0.1 mL), NB100-1833 (0.1 mL), NB100-2379 (0.1 mL), NB100-588 (0.1 mL), and NB100-1832 (0.1 mL).
Species	Human, Mouse
Reactivity Notes	See individual datasheets of components for their validated species
Specificity/Sensitivity	NB100-588 is specific for mouse Nanog protein. NB110-56937: A synthetic peptide corresponding to residues in the 5th cadherin domain of human E-cadherin was used. NB100-1832 Rat Monoclonal to SSEA3 (MC-631) - Embryonic Stem Cell Marker NB100-730 recognizes antigens that are associated with a pericellular matrix proteoglycan. TRA-1-60 reacts with a sialidase-sensitive epitope. NB100-1833 is specific to TRA-1-81 - Embryonic Stem Cell Marker
Immunogen	See individual datasheets.
Kit Components	NB100-730: TRA-1-60(R) Antibody (TRA-1-60), NB100-1832: SSEA-3 Antibody (MC-631), NB100-1831: SSEA-1 Antibody (MC-480), NB100-588: Nanog Antibody, HAF005: Goat anti-Rat IgG Secondary Antibody [HRP], HAF007: Goat anti-Mouse IgG Secondary Antibody [HRP], HAF008: Goat anti-Rabbit IgG Secondary Antibody [HRP], NB100-2379: OCT4 Antibody - BSA Free, NB100-1833: TRA-1-81 Antibody (TRA-1-81)
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	See individual datasheets of components for their validated applications

Images

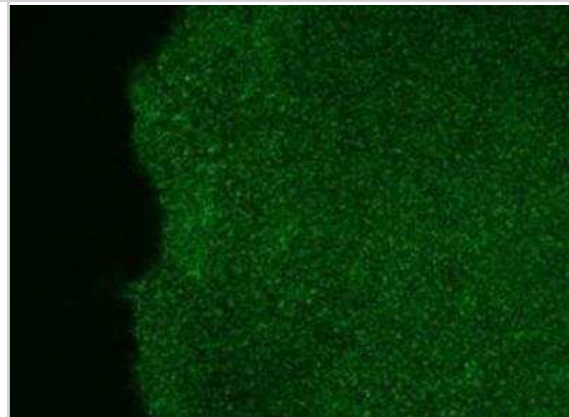
Live Imaging Microscopy: Human ESC Marker Antibody Pack [NBP1-42825] - Pluripotent Li-iPSCs colonies derived from reprogramming of PLCs. iPSC colonies (encircled by dashed line) were positive for the surface pluripotency marker TRA-1-60 (red) during live staining. TRA-1-60 staining (red) is shown before (C) and after overlaying onto the corresponding phase contrast image (D). Scale bars = 250um. Image collected and cropped by CiteAb from the following publication ([//doi.org/10.1371/journal.pone.0221762](https://doi.org/10.1371/journal.pone.0221762)) licensed under a CC-BY license. TRA-1-60 (R) Antibody (TRA-1-60(R)) [NB100-730]



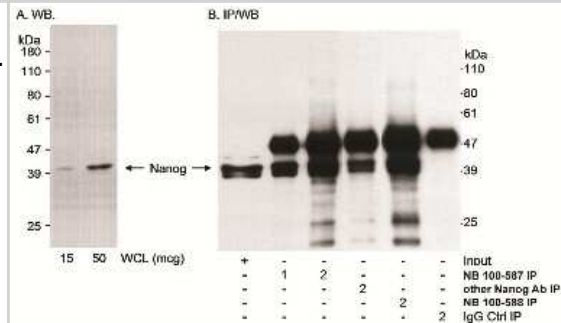
Immunocytochemistry/Immunofluorescence: Human ESC Marker Antibody Pack [NBP1-42825] - TRA-1-81 was detected in immersion fixed BG01V human embryonic stem cells using Mouse Anti-Human TRA-1-81 Monoclonal Antibody (Catalog # NB100-1833) at 10 ug/mL for 3 hours at room temperature. Cells were stained using an Anti-Mouse IgM Secondary Antibody (red) and counterstained with DAPI (blue). Specific staining was localized to cell membrane. TRA-1-81 Antibody (TRA-1-81) [NB100-1833]



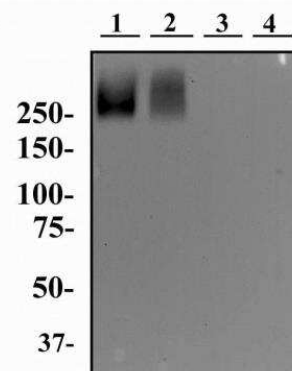
Immunocytochemistry/Immunofluorescence: Human ESC Marker Antibody Pack [NBP1-42825] - Analysis of human embryonic stem cells stained with SSEA-3 antibody detected with Alexa Fluor 488 anti-rat IgM secondary antibody. SSEA-3 Antibody (MC-631) [NB100-1832]



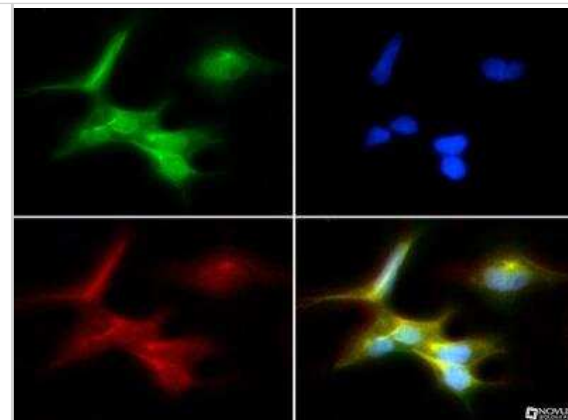
Immunoprecipitation: Human ESC Marker Antibody Pack [NBP1-42825] - Detection of Mouse Nanog on HeLa whole cell lysate using NB100-588. Nanog was also IPed using NB100-587 and another Nanog. IP reactions were controlled using normal rabbit IgG. IPed Nanog was blotted using NB100-587.



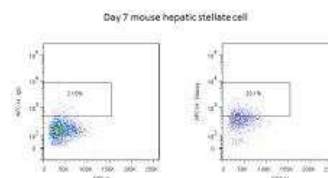
Western Blot: Human ESC Marker Antibody Pack [NBP1-42825] - Whole cell protein from human ES cells (lane 1), human NTERA-2 cells (lane 2), mouse embryonic fibroblasts (MEF, lane 3) and mouse V6.5 ES cells (lane 4, NBP1-97433) were separated on a 7.5% gel and transferred to PVDF membrane. The membrane was then incubated with anti-TRA1-60 (R) antibody at 2 ug/ml and detected with an anti-mouse IgM secondary antibody using chemiluminescence. Note how this antibody specifically detects the TRA1-60(R) epitope only on human cells. TRA-1-60 (R) Antibody (TRA-1-60(R)) [NB100-730]



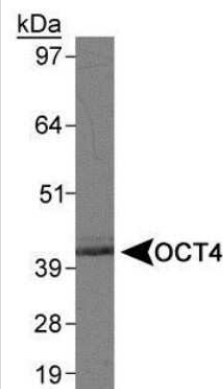
Immunocytochemistry/Immunofluorescence: Human ESC Marker Antibody Pack [NBP1-42825] - SSEA1 antibody was tested in Ntera-2 cells with FITC (green). Nuclei and alpha-tubulin were counterstained with Dapi (blue) and Dylight 550 (red). SSEA-1 Antibody (MC-480) [NB100-1831]



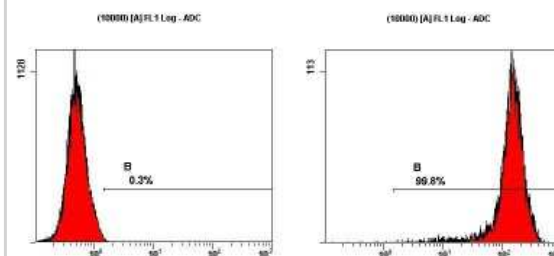
Flow Cytometry: Human ESC Marker Antibody Pack [NBP1-42825] - FACS analysis of Nanog expression in primary mouse hepatic stellate cell cultured for 7 days. Image from verified customer review.



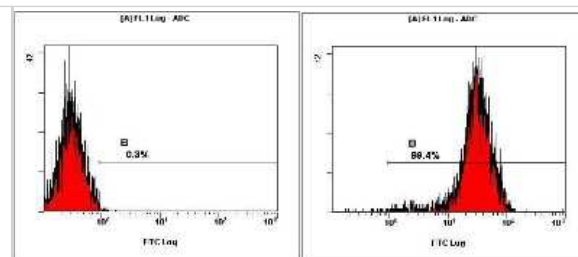
Western Blot: Human ESC Marker Antibody Pack [NBP1-42825] - Detection of OCT4 in mouse brain lysate



Flow Cytometry: Human ESC Marker Antibody Pack [NBP1-42825] - FACS staining of NTERA-2 cells using NB100-1831 at a 1:50 dilution detected using Dylight-488 conjugated goat anti-mouse IgM secondary antibody.



Flow Cytometry: Human ESC Marker Antibody Pack [NBP1-42825] - FACS staining of NTERA-2 cells using NB100-2379 at a 1:50 dilution detected using Dylight-488 conjugated goat anti-rabbit secondary antibody.





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