

Product Datasheet

CD133 Antibody (3F10)

NBP2-37741

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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Publications: 4

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NBP2-37741

CD133 Antibody (3F10)

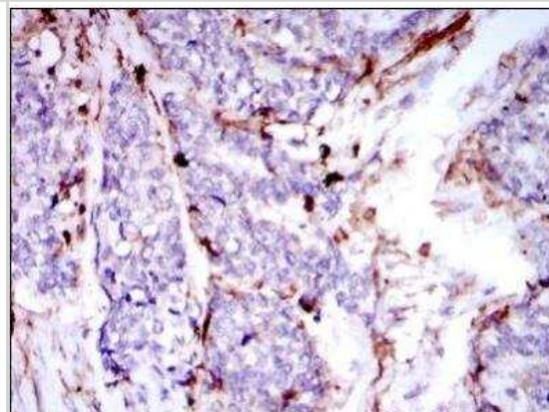
Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3F10
Preservative	0.03% Sodium Azide
Isotype	IgG1
Purity	Ascites
Buffer	Ascites
Target Molecular Weight	133 kDa

Product Description	
Description	Novus Biologicals Mouse CD133 Antibody (3F10) (NBP2-37741) is a monoclonal antibody validated for use in IHC, ELISA, Flow and ICC/IF. Anti-CD133 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	8842
Gene Symbol	PROM1
Species	Human
Reactivity Notes	Use in Human reported in scientific literature (PMID:33814238).
Immunogen	Synthesized peptide of human CD133.

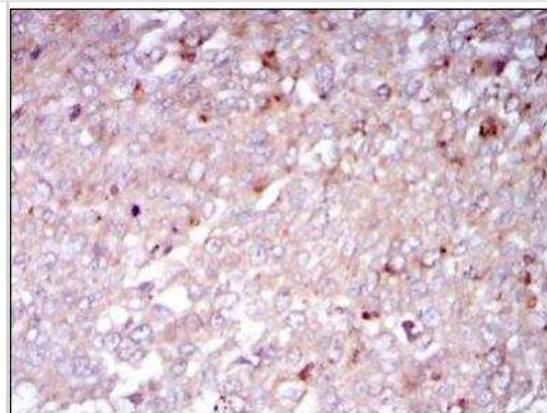
Product Application Details	
Applications	Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Flow Cytometry 1:200 - 1:400, ELISA 1:10000, Immunohistochemistry 1:200 - 1:1000, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:200-1:1000
Application Notes	Use in ICC/IF reported in scientific literature (PMID: 30739275).

Images

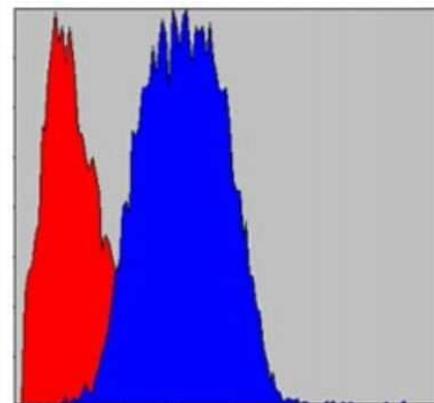
Immunohistochemistry-Paraffin: CD133 Antibody (3F10) [NBP2-37741] - Analysis of human esophageal cancer tissues section using mouse anti-CD133 antibody (clone 3F10). The staining was developed using HRP-conjugated secondary antibody and DAB method which followed counterstaining of nuclei with hematoxylin.



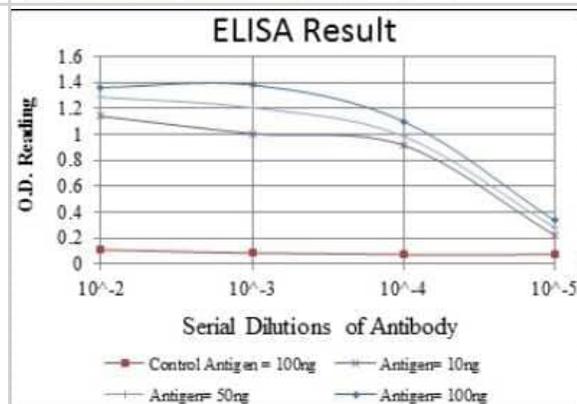
Immunohistochemistry-Paraffin: CD133 Antibody (3F10) [NBP2-37741] - Analysis of human breast cancer tissues section using mouse anti-CD133 antibody (clone 3F10). The staining was developed using HRP-conjugated secondary antibody and DAB method which followed counterstaining of nuclei with hematoxylin.



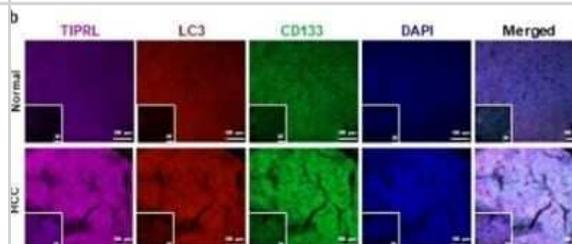
Flow Cytometry: CD133 Antibody (3F10) [NBP2-37741] - Flow cytometric analysis of Hela cells using CD133 mouse mAb (blue) and negative control (red).



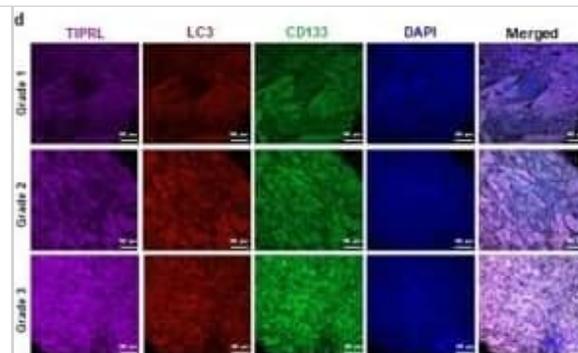
ELISA: CD133 Antibody (3F10) [NBP2-37741] - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



Immunocytochemistry/Immunofluorescence: CD133 Antibody (3F10) [NBP2-37741] - Upregulations of TIPRL, LC3 and CD133 in HCCs. Human tissues were stained with the indicated antibodies followed by confocal observation. The representative images were selected from normal and HCCs groups, respectively. DAPI was used for nucleus staining, and scar bars, 20 (inserted) and 100 um. Image collected and cropped by CiteAb from the following publication (<http://www.nature.com/articles/s41598-019-53191-5>) licensed under a CC-BY license.



Immunocytochemistry/ Immunofluorescence: CD133 Antibody (3F10) - BSA Free [NBP2-37741] - Significant correlations between levels of TIPRL, LC3 & CD133 in liver cancers. (a–c) The statistically significant associations between levels of TIPRL, LC3 & CD133 in each grade of liver cancers were determined by the Spearman correlation. Each dot indicates a single patient. (d) The representative images were selected from each grade of human liver cancer tissues that were stained with indicated antibodies. DAPI was used for nucleus staining, & scar bar, 100 μ m. (e) Quantitative analyses of TIPRL, LC3 & CD133 were conducted according to each grade of liver cancers. (n), the number of samples is indicated. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31727942>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Jun S, Yoon H, Yoon J et al. The Human TOR Signaling Regulator Is the Key Indicator of Liver Cancer Patients' Overall Survival: TIPRL/LC3/CD133/CD44 as Potential Biomarkers for Early Liver Cancers *Cancers* 2021-06-11 [PMID: 34208132] (IF/IHC, Human)

Klose J, Schmitt A, Pernthaler J et al. Still proliferating CD44+/Ki67+ tumor cells after neoadjuvant radiochemotherapy identify rectal cancer patients with poor survival *European Journal of Surgical Oncology* 2021-03-01 [PMID: 33814238] (IHC-P, Human)

Jun SY, Jeon SJ, Yoon JY et al. The positive correlation of TIPRL with LC3 and CD133 contributes to cancer aggressiveness: potential biomarkers for early liver cancer *Sci Rep* 2019-11-14 [PMID: 31727942] (IF/IHC, Human)

Acosta, SA;Lee, JY;Nguyen, H;Kaneko, Y;Borlongan, CV; Endothelial Progenitor Cells Modulate Inflammation-Associated Stroke *Vasculome Stem Cell Rev* 2019-04-01 [PMID: 30739275] (ICC/IF, Human)



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Products Related to NBP2-37741

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-44249PEP	CD133 Antibody Blocking Peptide

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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