

## Anti-CD133 Rabbit Monoclonal Antibody

Catalog Number: M01767-5

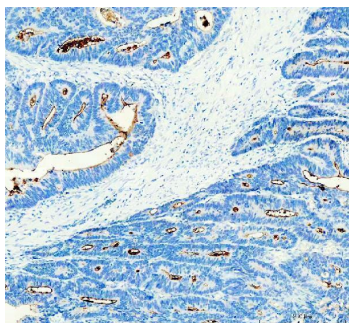
### Overview

Product Name	Anti-CD133 Rabbit Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-CD133 Rabbit Monoclonal Antibody catalog # M01767-5. Tested in WB, IHC applications. This antibody reacts with Human.
Application	IHC, WB
Clonality	Monoclonal 27P09
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O43490

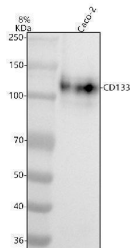
### Technical Details

Immunogen	A synthesized peptide derived from human CD133
Isotype	IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200

## Anti-CD133 Rabbit Monoclonal Antibody (M01767-5) Images



IHC analysis of CD133 using anti-CD133 antibody (M01767-5). CD133 was detected in a paraffin-embedded section of human colon cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-CD133 Antibody (M01767-5) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



Western blot analysis of CD133 using anti-CD133 antibody (M01767-5). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Caco-2 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CD133 antigen affinity purified monoclonal antibody (Catalog # M01767-5) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for CD133 at approximately 115 kDa. The expected band size for CD133 is at 97 kDa.

## 2 Publications Citing This Product

1. PubMed ID: 10.3892/or\_00000761, Characterization of primary ovarian cancer cells in different culture systems
2. PubMed ID: 10.1016/j.canlet.2017.11.033, Stanniocalcin-1 augments stem-like traits of glioblastoma cells through binding and activating NOTCH1

Visit [bosterbio.com/anti-cd133-rabbit-monoclonal-antibody-m01767-5-boster.html](http://bosterbio.com/anti-cd133-rabbit-monoclonal-antibody-m01767-5-boster.html) to see all 2 publications.

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