

## Purified Anti-Human CD133 Antibody[293C3]

**catalog number: AN004370P**

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

### Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human CD133 protein
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse BALB/c IgG2b, κ
<b>Clone</b>	293C3
<b>Purification</b>	>98%, Protein A/G purified
<b>Buffer</b>	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

### Applications Recommended Dilution

<b>FCM</b>	2 µg/mL ( $1 \times 10^5$ - $5 \times 10^5$ cells)
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### Preparation & Storage

<b>Storage</b>	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
<b>Shipping</b>	Ice bag

### Background

This gene encodes a pentaspan transmembrane glycoprotein. The protein localizes to membrane protrusions and is often expressed on adult stem cells, where it is thought to function in maintaining stem cell properties by suppressing differentiation. Mutations in this gene have been shown to result in retinitis pigmentosa and Stargardt disease. Expression of this gene is also associated with several types of cancer. This gene is expressed from at least five alternative promoters that are expressed in a tissue-dependent manner. Multiple transcript variants encoding different isoforms have been found for this gene.

### For Research Use Only