Materials Provided

Items	*Size*	*Size*
Pack Size	*2 mg*	*10 mg*
Particle size	*2 μm*	*2 μm*
Beads Surface	*hydrophilic*	*hydrophilic*
Amount of protein coupled	*>300 pmol /mg Beads*	*>300 pmol /mg Beads*
Binding Capacity	*> 200 pmol antibody/ mg beads*	*> 200 pmol antibody / mg beads*
Formulation	*Lyophilized from 0.22 μm filtered solution in PBS, 0.05% Tween-20, pH7.4, with 10% trehalose*	*Lyophilized from 0.22 μm filtered solution in PBS, 0.05% Tween-20, pH7.4, with 10% trehalose*
Reconstitution	*2 mL ultrapure water (1mg beads/mL)*	*10 mL ultrapure water (1mg beads/mL)*

Background

The biotinylated CD33 protein was conjugated to streptavidin magnetic beads. This pre-coupled magnetic bead product can capture the anti-CD33 antibody from various assay systems. The beads are in uniform size, narrow size distribution with large surface area and unique surface coating, which can help you get the best performance and highly reproducible results. This CD33 coupled magnetic beads will bring great convenience with minimum non-specific binding and developed protocols. This ready-to-use product could greatly save your time and hassle.

Application

This product is intended for immunocapture, biopanning and flow cytometry.

Reconstitution

See Certificate of Analysis for details of reconstitution instruction and specific concentration.

Storage

Upon receipt, please store the Beads at -20℃. The shelf life is 1 year at -20 ℃.

An immediate use is highly recommended after reconstitution.
Do not to freeze thaw the Beads after reconstitution.

Assay Principles

The conjugation was achieved by means of the binding between streptavidin and biotin. Streptavidin (SA) has an extraordinarily high affinity for biotin with a dissociation constant (Kd) on the order of 10^{-14} mol/L. Thus, the binding of streptavidin and biotin is irreversible. Our CD33 pre-coupled beads could capture anything binding to CD33, and make the following testing easy, such as immunocapture, biopanning and flow cytometry.

Application Method:

a) Reconstitute the Beads following the COA. Wash and re-suspended the beads to a certain concentration by adding your dilution buffer.

b) Add the prepared beads to your samples.

c) Beads can be separated from your samples afterwards using a magnetic plate.