

PRODUCT DESCRIPTION:

Anti-Human CD32 (Fc γ RII) Blocker is a mouse IgG_{2b} monoclonal antibody purified from concentrated hybridoma culture supernatant by affinity chromatography using Protein A or Protein G Sepharose. CD32 (Fc γ RII) is a 40 kD receptor for the Fc region of Immunoglobulin G (IgG). CD32 binds weakly to the Fc portion of monomeric IgG, but efficiently to IgG aggregates and immune complexes. The Fc/FcR interactions may result in non-specific labeling in antibody-based detection and cell separation experiments. This antibody is recommended to block Fc/FcR interactions during negative cell selection.

ANTIBODIES	Product Information Sheet	
		ANTI-HUMAN CD32 (Fcγ RII) BLOCKER
	Version 2.0.0	Catalog #14551 800 μ L Catalog #14561 4 mL

SPECIFICITY

The mouse monoclonal antibody binds to CD32 (Fc γ RII) on some human cells.

FORMAT:

Catalog #14551 – contains 1 x 14551C

Catalog #14561 – contains 5 x 14551C

Supplied at a concentration of **100 μ g/mL** in phosphate buffered saline. This product is a biological reagent, and as such cannot be completely characterized or quantified. Some variability is unavoidable.

STABILITY AND STORAGE:

Stable at 2-8°C for 2 years. Contents sterile in unopened tube. No preservative has been added.

Do not freeze this product.

DIRECTIONS FOR USE:

This product is used to block non-specific antibody binding to monocytes and other Fc γ RII⁺ cells prior to StemSep[®] or EasySep[®] immunomagnetic selection.

Prior to labeling cells with cell separation cocktail, add the **Anti-Human CD32 (Fc γ RII) Blocker** at the following concentrations:

EasySep[®] selection - add blocker at **1.0 μ g/mL** of cells, or 10 μ L of blocker per mL of cells.

StemSep[®] selection - add blocker at **1.5 μ g/mL** of cells, or 15 μ L of blocker per mL of cells.

Note: Titration may be required for optimal performance.

Incubate cells for 10 minutes on ice. Label cells with cell separation cocktail as outlined in the procedure shipped with the cocktail.

See Material Safety Data Sheet for more information.

NOTE: Typically, with negative selection cell separations, the enriched cells have not been labeled with antibody. When the anti-CD32 blocking antibody is used, the enriched monocytes or dendritic cells will be labeled with anti-CD32.

**THIS REAGENT IS FOR RESEARCH ONLY.
IT IS NOT TO BE ADMINISTERED TO HUMANS.**

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