

**ANTI-HUMAN  
CD41 TAC**Tetrameric Antibody  
ComplexCatalog #14050  
Catalog #14060200 µL  
1 mL**PRODUCT DESCRIPTION:**

A combination of mouse and rat monoclonal antibodies purified from mouse ascites or hybridoma culture supernatant. Purified by affinity chromatography using Protein A or Protein G Sepharose. These antibodies are bound in bispecific Tetrameric Antibody Complexes (TAC), which are directed against CD41 and dextran. The subclass of the mouse monoclonal antibody is IgG<sub>1</sub>.

**SPECIFICITY:**

This TAC recognizes human CD41 cell surface antigens and dextran. CD41 is expressed on platelets and megakaryocytes.

**FORMAT:**

**Catalog #14050** – contains 1 x 14050C

**Catalog #14060** – contains 5 x 14050C

Supplied at a concentration of **300 µg/mL** in phosphate buffered saline with trace amounts of borate (120 µM). Does not contain sodium azide or BSA.

*It should be kept in mind that this product is a biological reagent, and as such cannot be completely characterized or quantified. Some variability is unavoidable.*

**STABILITY AND STORAGE:**

Store at 4°C. DO NOT FREEZE. Stable for 2 years.

Contents sterile in unopened tube.

**APPLICATIONS:**

Deplete CD41<sup>+</sup> cells from human peripheral blood mononuclear cell samples by combining CD41 TAC with **StemSep<sup>®</sup>** or **EasySep<sup>®</sup>** magnetic cell separation.

**DIRECTIONS FOR USE:**

Centrifuge tube before using to ensure recovery of entire contents.

**Add TAC at 10 µL/mL of cells** prepared at a concentration of  $5 \times 10^7$  cells/mL. Titration in the range of **0.1 – 3.0 µg/mL** final concentration may be required for optimal performance. When adding TAC with an enrichment cocktail, add the TAC during the same step as adding the cocktail to the cells.

Please contact us for detailed protocol information.  
Refer to Material Safety Data Sheet for more information.

**REFERENCES:**

- Lansdorp PM, Aalberse RC, Bos R, Schutter W and Van Bruggen EFJ. Cyclic tetramolecular complexes of monoclonal antibodies: A new type of cross-linking reagent. Eur. J. Immunol. 1986; 16: 679.
- Thomas TE, Sutherland HJ and Lansdorp PM. Specific binding and release of cells from beads using cleavable tetrameric antibody complexes. J. Immunol. Methods 1989; 120: 221.

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

**StemCell Technologies****In North America**

Tel: 1.604.877.0713  
Fax: 1.604.877.0704  
Toll Free Tel: 1.800.667.0322  
Toll Free Fax: 1.800.567.2899  
e-mail: info@stemcell.com  
[www.stemcell.com](http://www.stemcell.com)

**In the United Kingdom**

Tel: +44.(0).20.7537.7565  
Fax: +44.(0).20.7515.5408  
Toll Free within United Kingdom:  
Tel: 0800.731.27.14  
Fax: 0800.731.27.13  
e-mail: info@stemcellgb.com

**In Europe**

Tel: +33.(0).4.76.04.75.30  
Fax: +33.(0).4.76.18.99.63  
e-mail: info@stemcellfrance.com

Revised:  
November 2006