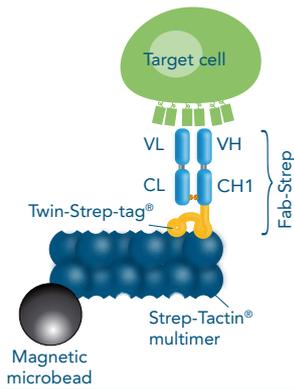


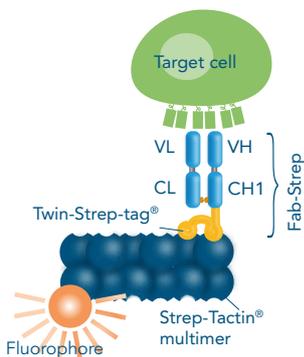
FAB STREPTAMERS®

Receptor-specific Cell Selection and Staining





Cell isolation via magnetic beads conjugated to Fab Streptamers®



Cell staining via fluorescence labeled Fab Streptamers®

MAGNETIC T CELL ISOLATION WITH FAB STREPTAMERS®

Receptor-specific cell selection or staining

Fab Streptamer® reagents are used for receptor-specific cell isolation from PBMC and subsequent cell staining of any cells carrying a surface marker such as CD3, CD4 etc.

Fab Streptamer® technology

Fab-Streptamers® comprise two components:

- Low affinity Fab, which is fused to Twin-Strep-tag® (Fab-Strep)
- Strep-Tactin® multimers labelled with a magnetic microbead or fluorophore (PE or APC)

The Fab fragment confers the specificity to a certain CD marker receptor. The Twin-Strep-tag® can bind to Strep-Tactin®, which is then used for isolation or staining of the target cell. For cell isolation the StrepMan magnet (cat.no 6-5650-065) is required. Upon addition of biotin, a competitive Strep-tag® ligand, the Strep-Tactin® multimer will dissociate from the complex and also the Fab fragment will detach from the target cell.

Key benefits

- Fully functional target cells
- Complete dissociation of isolation reagents from purified cells
- Serial positive selections of different markers allow isolation of even rare cell subsets
- High purity and recovery of the target cells

FAB STREPTAMER® PRODUCT OVERVIEW

Cell of Interest	Fab Streptamer® Isolation Kit	Cat. No.
T cells	CD3 ⁺	6-8000-201
Helper T cells	CD4 ⁺	6-8000-206
Cytotoxic T cells	CD8 ⁺	6-8000-203
Naive T cells	CD4 ⁺ CD45RA ⁺	6-8000-221
	CD8 ⁺ CD62L ⁺ CD45RA ⁺	6-8000-219
Memory T cells	CD3 ⁺ CD45RO ⁺	6-8000-217
	CD3 ⁺ CD62L ⁺ CD45RA	6-8000-216
	CD3 ⁺ CD62L ⁺ CD45RO ⁺	6-8000-212
Memory CD4 ⁺ T cells	CD4 ⁺ CD62L ⁺ CD45RA ⁻	6-8000-215
	CD4 ⁺ CD62L ⁺ CD45RO ⁺	6-8000-211
Memory CD8 ⁺ T cells	CD8 ⁺ CD62L ⁺ CD45RA ⁻	6-8000-213
	CD8 ⁺ CD62L ⁺ CD45RO ⁺	6-8000-210
Regulatory T cells	CD4 ⁺ CD25 ⁺	6-8000-205
	CD4 ⁺ CD25 ⁺ CD45RA ⁺	6-8000-214

Note : Kits with each single marker can be purchased individually.

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