



Applied Biological Materials Inc.

Telephone: 1-866-757-2414

Email: info@abmgood.com

Website: www.abmgood.com

Version 1: June 9th 2026

T Xpan™ Cell Activator (CD3/CD28/CD2)

Rapid Bead-Free Human T Cell Activation

Triple CD3/CD28/CD2 co-stimulation for robust activation and expansion of primary human T cells.

- ✓ No bead removal
- ✓ High viability
- ✓ Visible T cell clustering in 24–48 h

Cat. No. TM139

Store at 2-8°C.

Product Description

T Xpan™ Cell Activator (CD3/CD28/CD2) is a soluble triple-antibody reagent for rapid activation and expansion of primary human T cells through CD3, CD28, and CD2 co-stimulation. Its bead-free format simplifies workflows by eliminating bead removal while supporting visible T cell clustering within 24–48 hours.

Bead-Free Activation	Triple Co-Stimulation	Rapid T Cell Clustering
Soluble format eliminates bead removal steps.	CD3/CD28/CD2 stimulation supports robust activation.	Visible T cell clustering within 24–48 hours.

Applications

- Ex vivo T cell expansion
- CAR-T and TCR-T workflow development
- Cytokine secretion studies
- T cell proliferation assays
- Immunomodulatory screening

Recommended Usage

Cell Density	T Xpan™ Cell Activator Amount	Incubation
1 × 10 ⁶ cells/ml	2 µl per 1 × 10 ⁶ cells	24-48 hours

Optimize activation conditions depending on donor variability and downstream applications.

Storage and Handling

- Store according to product label instructions
- Avoid repeated freeze-thaw cycles

For research use only. Not intended for therapeutic or diagnostic use.