

## Active TACSTD2 protein-coupled magnetic Beads

Cat. No. TACSTD2-4932M Lot. No. (See product label)

### SPECIFICATION

|                                  |  |
|----------------------------------|--|
| <b>Species</b>                   | Human  |
| <b>Source</b>                    | HEK293   |
| <b>ProteinLength</b>             | Gln 31 - Thr 274   |
| <b>Appearance</b>                | Powder mixture   |
| <b>Particle size</b>             | 2 µm   |
| <b>Bio-activity</b>              | Immobilized 32.6 µg TROP-2/1 mg beads can bind Anti-TROP-2 mAb with an EC50 of 0.8505 µg/mL.   |
| <b>Coupled amount of protein</b> | ≈1032 pmol (32.6 µg) TROP-2/mg beads   |
| <b>Capacity</b>                  | >266 pmol (40µg) Anti-trop-2 antibody/mg beads   |
| <b>Formulation</b>               | PBS, pH7.4, with 10% Trehalose   |
| <b>Reconstitution</b>            | 2 mL sterile deionized water (1 mg beads/mL)   |
| <b>Background</b>                | The Human TROP-2-coupled Magnetic Beads is produced by coupling biotinylated TROP-2 heterodimer to streptavidin-conjugated magnetic beads. Because Streptavidin (SA) has an extraordinarily high affinity for biotin with a dissociation |

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constant (Kd) on the order of 10-14 mol/L, the biotinylated protein can bind to the SA beads irreversibly. The pre-coupled beads are ready to use for capturing anti-TROP-2 antibody from your sample with high specificity.

**Application**

This product is intended for immunocapture, biopanning and flow cytometry. This product is produced non-sterile.

**Storage**

Upon receipt, please store the Beads at -20°C for 1 year in lyophilized state.

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