

Materials List for

# Flotation-Based T Cell Isolation, Activation, and Expansion from Human Peripheral Blood Mononuclear Cell Samples Using Microbubbles

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## Materials

| Name                                                                | Company             | Catalog Number      | Comments       |
|---------------------------------------------------------------------|---------------------|---------------------|----------------|
| 2-Mercaptoethanol                                                   | Gibco               | 21985-023           | CAS: 60-24-2   |
| Biologix Multi-Well Culture Plates 24-well plates                   | VWR                 | 76081-560           |                |
| Biotin anti-human CD28 (28.2) Antibody                              | Biolegend           | 302904              |                |
| Biotin anti-human CD3 (OKT3) Antibody                               | Biolegend           | 317320              |                |
| DPBS, no calcium, no magnesium                                      | Gibco               | 14190-136           |                |
| GlutaMAX Supplement                                                 | ThermoFisher        | 35050061            |                |
| Human Recombinant IL2                                               | BioVision (vwr)     | 10006-122           |                |
| Lentiviral Particle rLV.EF1.zsGreen1-9                              | Takara Bio          | 0038VCT             |                |
| Leukopak                                                            | BioIVT              | HUMANLMX100-0001129 |                |
| Normal Human PBMCs                                                  | BioIVT              | HUMANHLPB-0002562   |                |
| Penicillin/Streptomycin 100X for tissue culture                     | VWR                 | 97063-708           | CAS: 8025-06-7 |
| Polybrene Infection/Transfection Reagent                            | Millipore Sigma     | TR-1003-G           | CAS:28728-55-4 |
| Pooled Human AB Serum Plasma Derived Heat Inactivated               | Innovative Research | ISERABHI100mL       |                |
| RPMI 1640 Medium, GlutaMAX Supplement, HEPES                        | Gibco               | 72400047            |                |
| Streptavidin Microbubble Kit (includes Akadeum's separation buffer) | Akadeum             | 11110-000           |                |