

**ProMab Biotechnologies' CAR-MA new product development programs are being designed for pre-clinical and future clinical applications.**

The advantage of CAR-MA cells are that they can reach tumor sites better than CAR-T cells, as they are known to infiltrate tumors. ProMab Biotechnologies has engineered macrophages using differentiated monocytic THP-1 cell line (the same can be done with primary monocytes).

These CAR-MA cells can be used to study the interaction of CAR-MA's within the tumor microenvironment and study different agents (antibodies, cytokines, small molecules, etc) causing macrophage polarization from M2 to M1 phenotype and inducing cancer cell killing or phagocytosis.

## Data

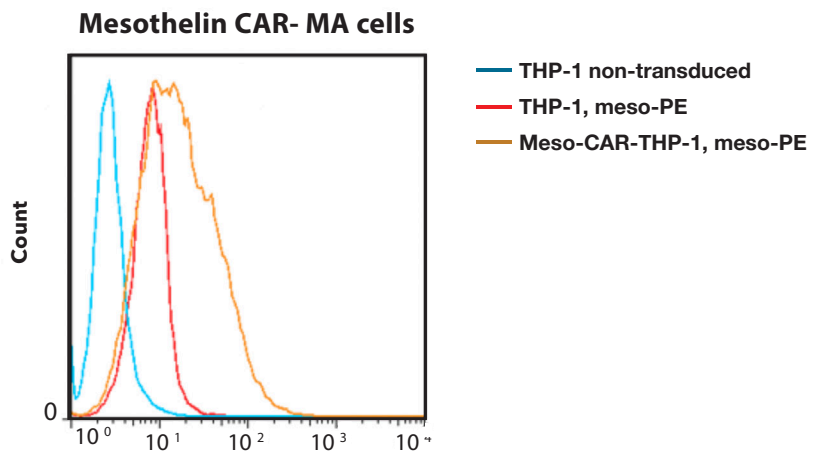


Figure 2. Mesothelin-CAR monocytic THP-1 cell line was stained with Mesothelin recombinant protein, meso-PE. Mesothelin CAR-MA cells detect the Mesothelin antigen.

### Products and Services

- Mouse Monoclonal Antibody
- Rat Monoclonal Antibody
- Human Antibody
- Hybridoma Sequencing
- Polyclonal Antibody



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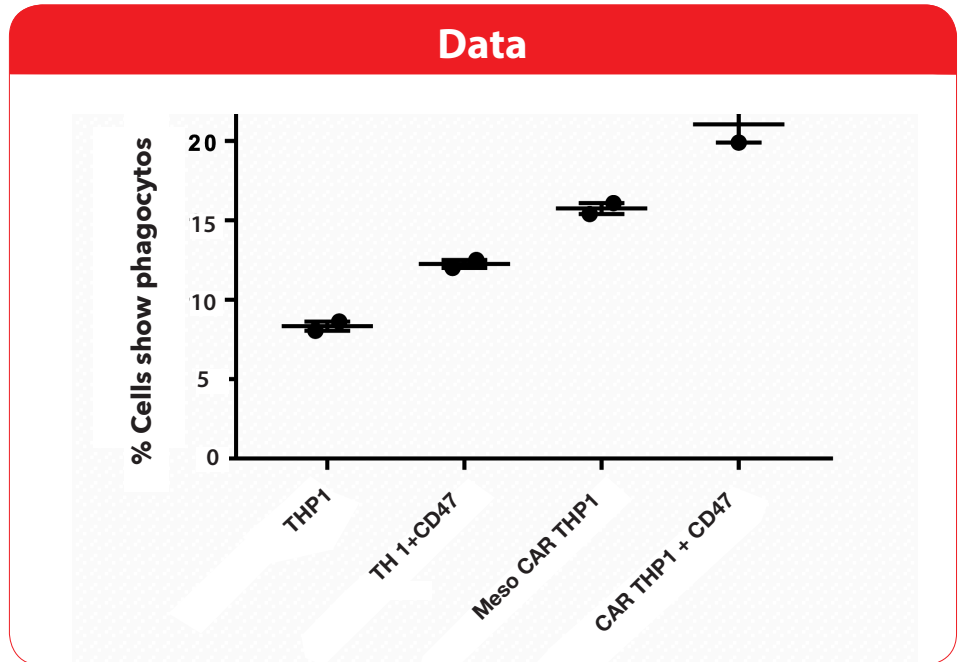


Figure 3. Phagocytosis of cancer cells by CAR-MA cells is detected by FACS. CD47 antibody was added to enhance phagocytosis of HeLa cells by Mesothelin CAR-MA macrophages.