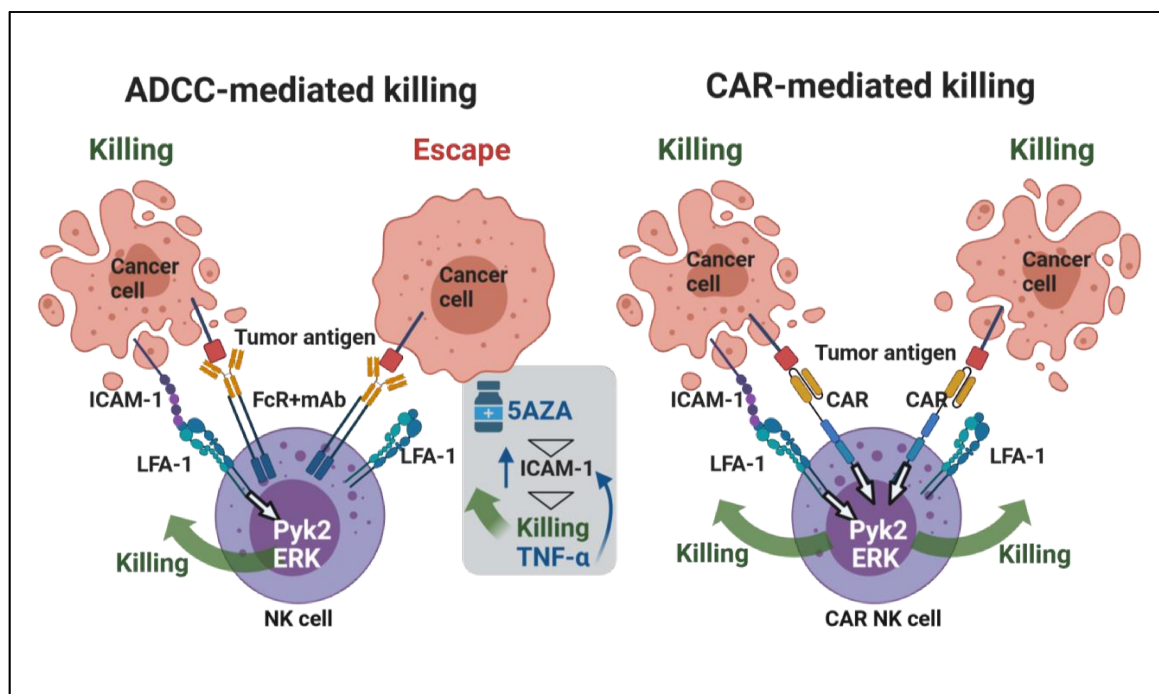


CAR-mediated Targeting of NK Cells Overcomes Tumor Immune Escape Caused by ICAM-1 Downregulation

Graphical Abstract



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Highlights

- ICAM-1 downregulation is a critical escape mechanism from trastuzumab-mediated NK cell cytotoxicity (ADCC).
- 5AZA treatment and TNF- α production restore trastuzumab-mediated NK cell cytotoxicity.
- CAR-NK cell cytotoxicity is independent of ICAM-1 levels by bypassing LFA-1 signaling through the Pyk2 and ERK1/2 pathway.