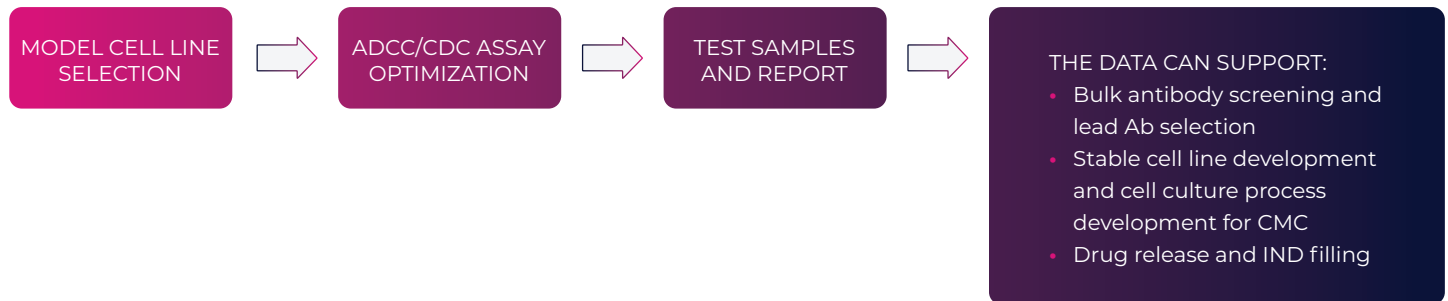


# ADCC/CDC ASSAY



## KEY FEATURES OF THE CHEMPARTNER'S ADCC/CDC ASSAY

- Stable NK92-CD16A cell line as ADCC effector cells to provide repeatable data
- Target cell labeling techniques to ensure detection of target cell-specific cytotoxicity
- Effective strategy to select model cell lines and optimize ADCC/CDC assay for new targets
- Antibody engineering techniques to enhance ADCC/CDC effect
- Established ADCC format including but not limited to CD20, Her2, EGFR, and CD52
- Fc receptor and C1q binding confirmation by Biacore or FACS

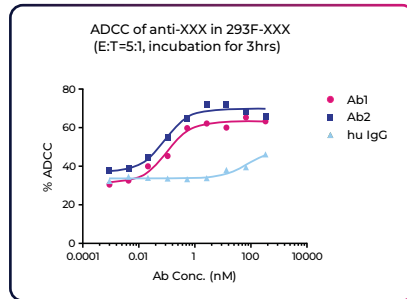
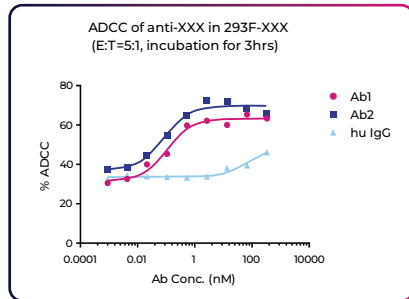
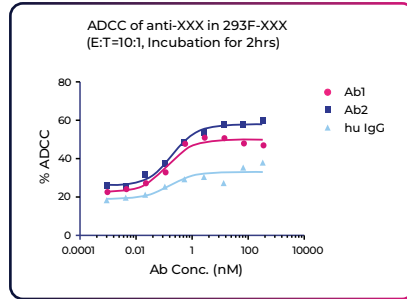
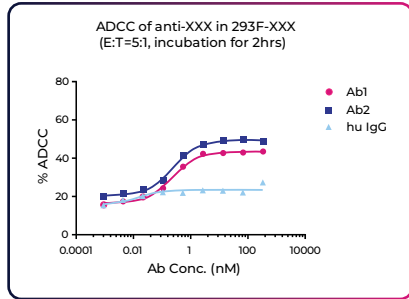
## TESTING CONDITIONS

CELL LINE	TARGET PROTEIN EXPRESSION LEVEL (FACS MFI)	FC RECEPTOR EXPRESSION LEVEL (FACS MFI)	SELECTION PRIORITY FOR ADCC ASSAY
293-XXX	6,769	32	1
OCI-AML-1	2,620	93	2
SK-MEL-28	1,427	56	2
MV-4-11	3,176	1,542	3
HL-60	825	419	3
THP-1	1,213	7,226	4

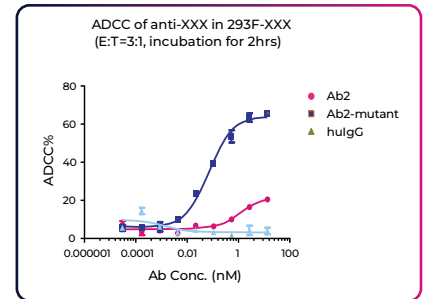
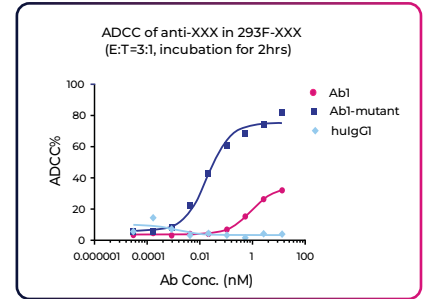
CASE STUDY I:

# ESTABLISH ADCC ASSAY FOR A NEW TARGET XXX

ASSAY OPTIMIZATION:  
EFFECT TO TARGET CELL RATIO AND INCUBATION TIME

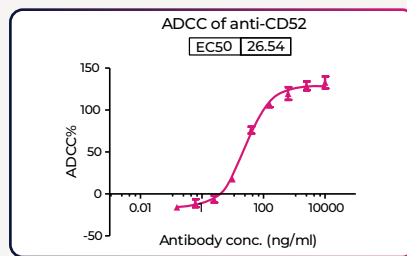
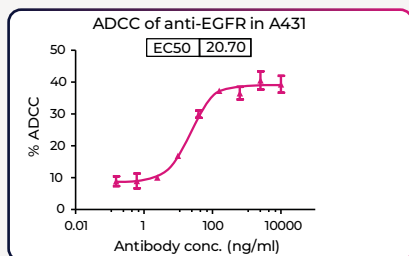
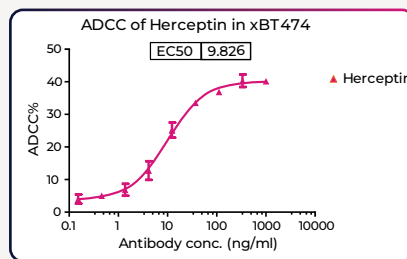
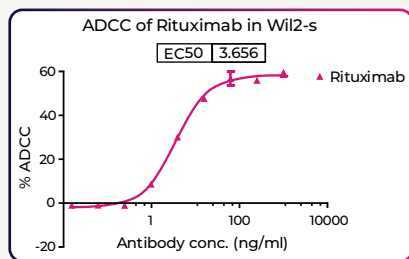


AB ENGINEERING  
TO ENHANCE ADCC EFFECT



CASE STUDY II:

# ESTABLISH ADCC ASSAY



DELIVERABLES

- CD20
- HER2
- EGFR
- CD52

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