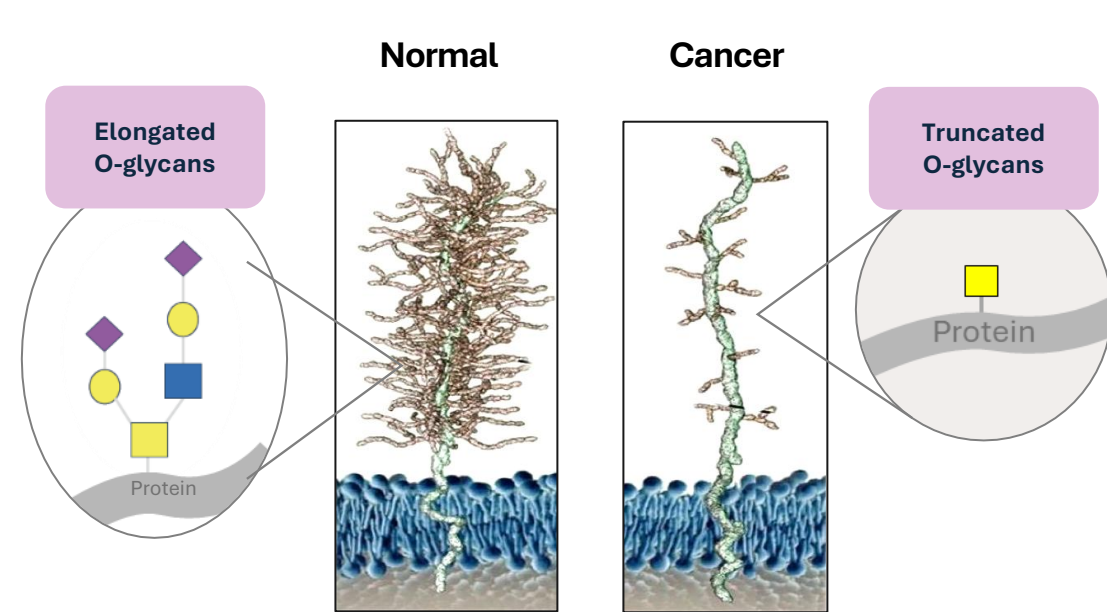
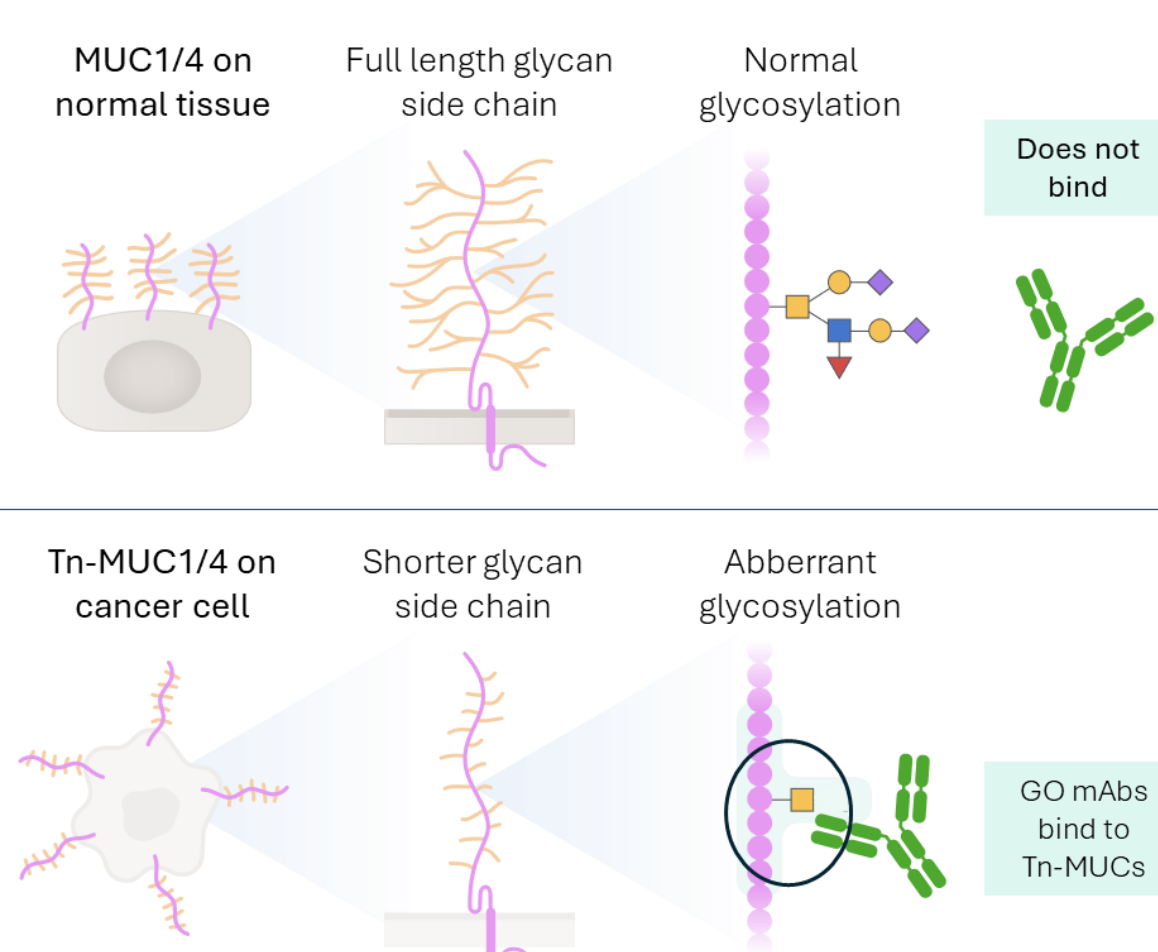


## Platform overview



### The truncated O-glycan Tn is cancer specific

- Broad expression in epithelial-derived tumors
- No expression in normal tissue
- Stable expression across all cancer stages
- Increased expression in metastases
- Stable expression after chemo treatment
- Drive tumor formation and immune tolerance
- Overlap (>50%) with PDL1



### mAb M100B targeting Tn-MUC1

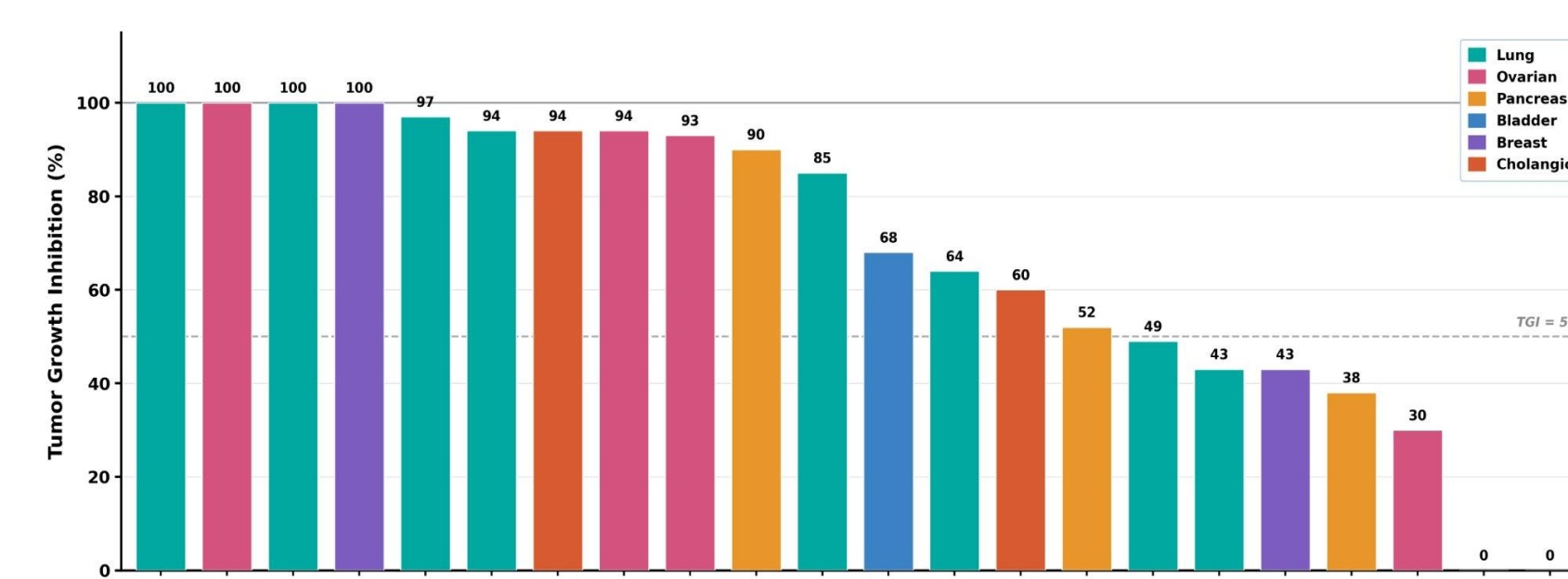
- Humanized mAb targeting a Tn-peptide specific epitope in MUC1 expressed in multiple solid tumors
- Low nM affinity and improved target profile vs existing MUC1 mAbs such as Daiichi's DS-3939 or mAbs targeting C-MUC1

### mAb M400 targeting Tn-MUC4

- Humanized mAb targeting a Tn-peptide specific epitope in MUC4 with low nM affinity. Tn-MUC4 is expressed in multiple solid tumors.

## Potent efficacy in multiple PDX/CDX models over large range of expression

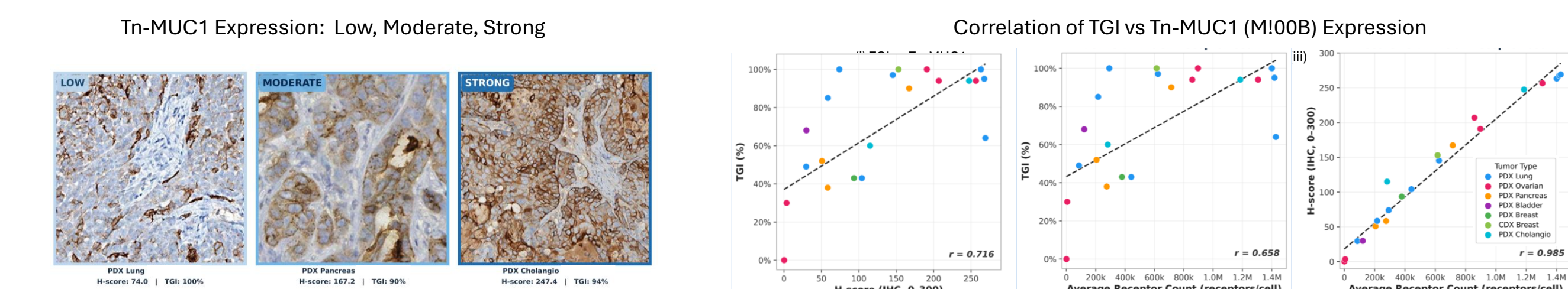
### M100B-Vedotin: Tumor Growth Inhibition across PDX/CDX models



- Potent, broad antitumor activity was observed across 22 PDX/CDX models representing six indications.
- GO-M100B-vedotin (6 mg/kg, IV) achieved TGI ≥90% in 11 of 22 models, including 3 complete regressions.
- Tumor types included lung, ovarian, pancreatic, bladder, breast, and cholangiocarcinoma.

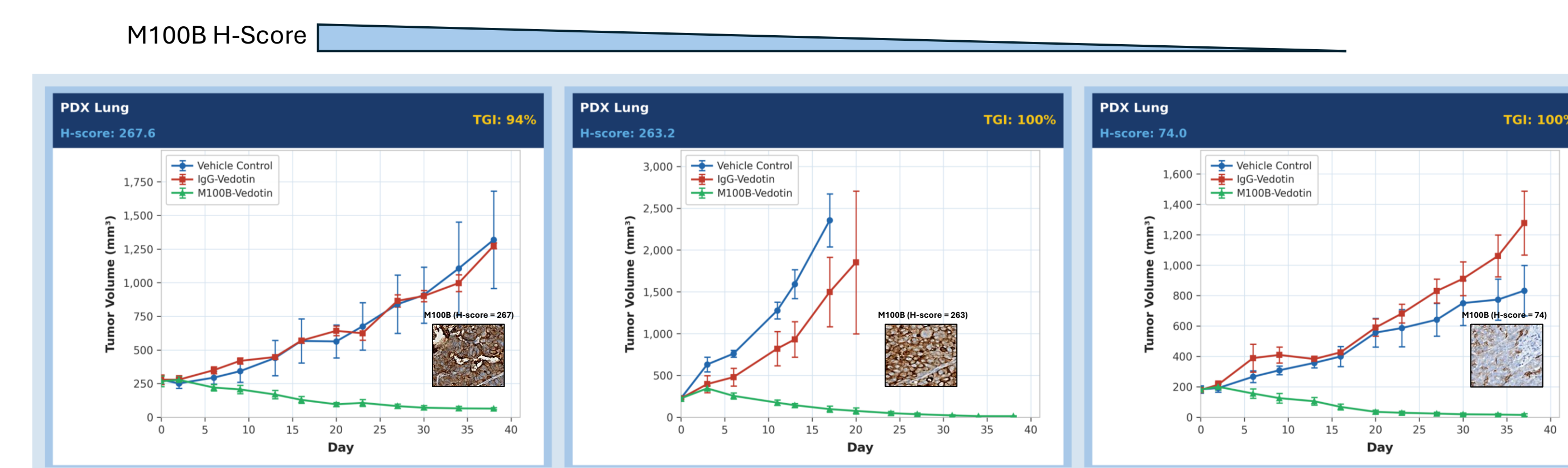
Models are ranked from highest to lowest TGI. Dashed line marks the TGI = 50% threshold. Values above each bar show percent TGI relative to IgG-vedotin; 100% corresponds to a complete response. Bar colors indicate tumor type, as defined in the legend. Values shown below each model indicate H-score.

### Efficacy of M100B-Vedotin correlates with Tn-MUC1 Expression



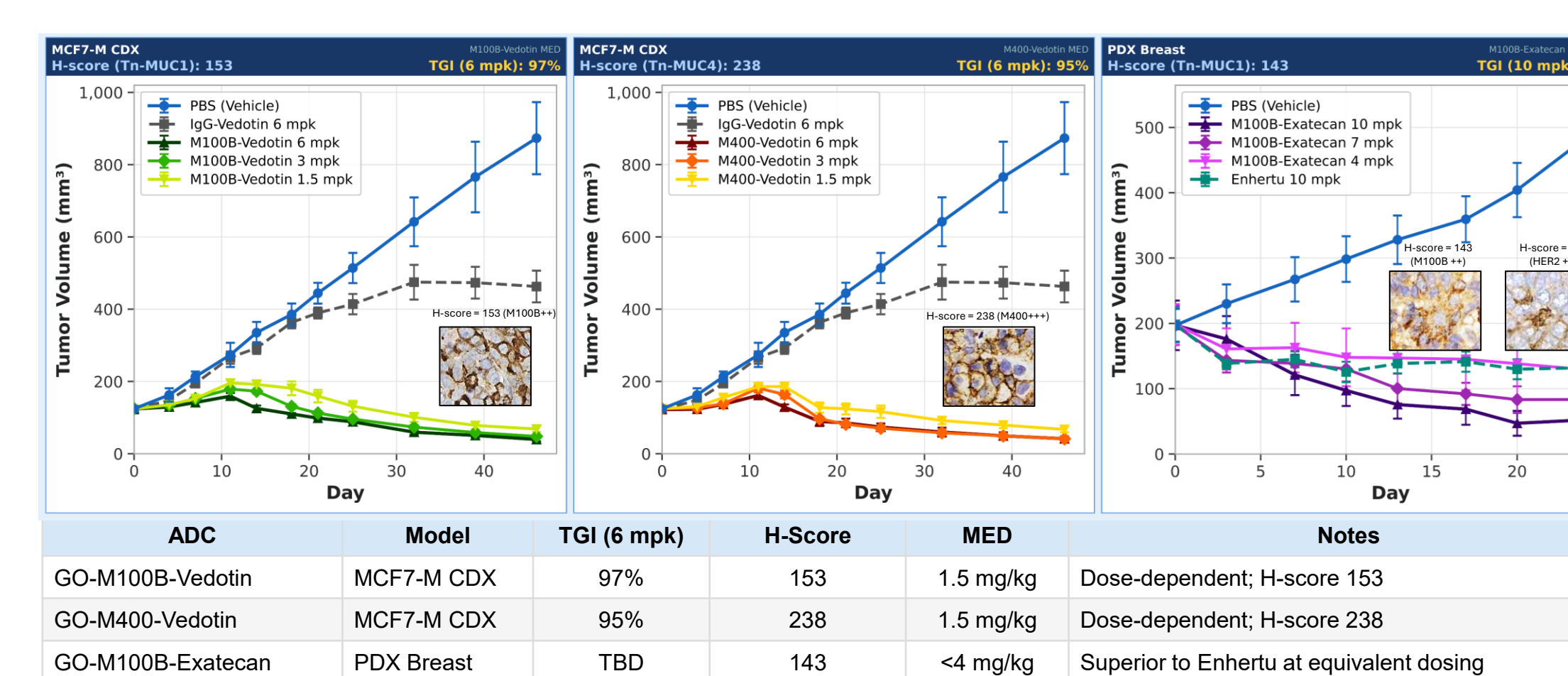
Correlation of M100B-vedotin efficacy with Tn-MUC1 expression. (i) TGI versus M100B IHC H-score (Spearman  $\rho = 0.716$ ,  $p < 0.001$ ). (ii) TGI versus average Tn-MUC1 receptor count per cell (Spearman  $\rho = 0.658$ ). (iii) H-score versus average receptor count per cell (Spearman  $\rho = 0.985$ ), confirming that IHC H-score is a reliable surrogate for antigen density. Representative IHC images illustrate low (PDX Lung, CTG-0158; H-score: 74), moderate (PDX Pancreas, CTG-1122; H-score: 167), and strong (PDX Cholangio, CTG-0941; H-score: 247) Tn-MUC1 expression.

### M100B-Vedotin: PDX efficacy in low target expression models



Representative tumor growth curves for three PDX models (ordered left-to-right by decreasing M100B IHC H-score). Mice with established subcutaneous tumors were treated IV (6 mg/kg) with GO-M100B-vedotin (green), IgG-vedotin control (red), or vehicle (blue). Data shown as mean  $\pm$  SEM (n=3). Adjacent IHC images show M100B staining in each model. TGI calculated vs. IgG control at the final time point.

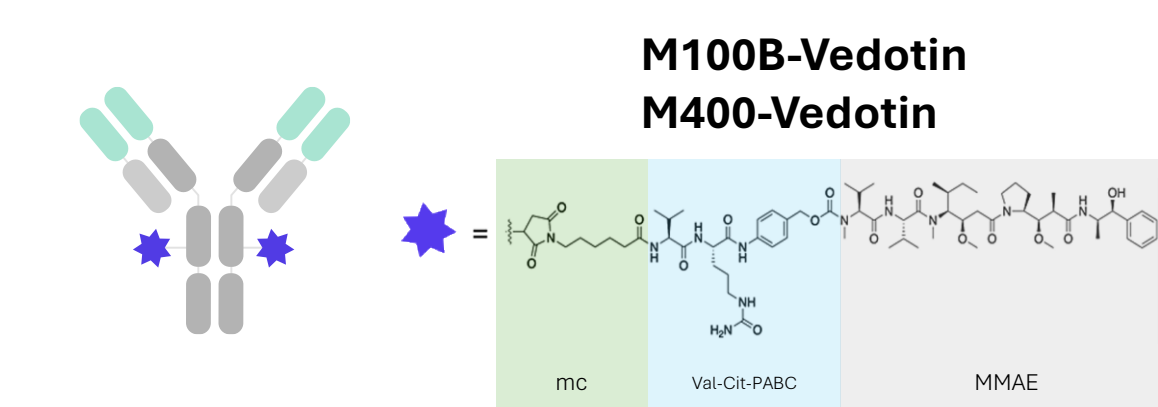
### MED: M100B-Vedotin, M100B-Exatecan & M400-Vedotin



- Dose-dependent TGI in the MCF7m CDX s
- MED was 1.5 mg/kg in MCF7 CDx for GO-M100B and M400-vedotin ; n=5.
- GO-M100B-Exatecan (DAR8) induced TGI across 4-10 mg/kg in Breast PDX
- GO-M100B-exatecan outperformed Enhertu at matched doses
- MED in breast PDXs < 4 mg/kg; n=5.
- IHC confirmed target expression

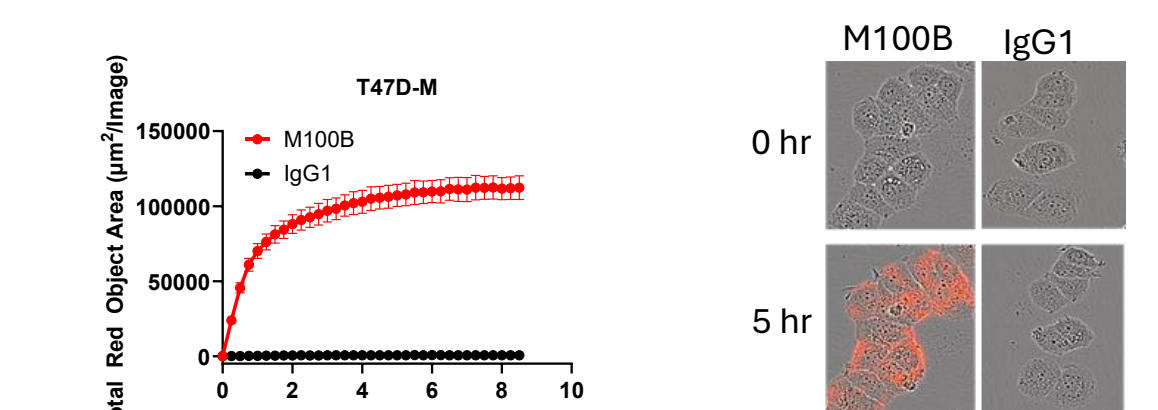
## In Vitro activity

### ADC Platform



- Site-specific, DAR2 ADC (mc-vc-PAB-MMAE)
- Potent killing across multiple in-vivo models

### Internalization



### Cell binding

Cell Line	Tn Status	M100B EC50 (µg/mL)	M400 EC50 (µg/mL)	Result
MCF7-M	Tn+ MUC1+/MUC4+	0.32	0.39	✓ Binds
T47D-M	Tn+ MUC1+/MUC4+	1.53	0.84	✓ Binds
HaCaT	Tn- MUC1-/MUC4+	N/D	N/D	✗ No binding
T47D-M MUC1 KO	Tn+ MUC1-	N/D	Not Measured	✗ No binding

**In vitro characterization of GO-M100B and GO-M400 ADCs** Site-specific DAR2 ADCs targeting Tn-MUC1 (M100B) and Tn-MUC4 (M400) with MMAE payload. Selective binding to Tn+/MUC1+/MUC4+ tumor cells; no binding to antigen-negative controls. Rapid receptor-mediated internalization to endolysosomal compartments. Potent, antigen-dependent cytotoxicity in Tn+ cells (low nM IC<sub>50</sub>s) with no activity in MUC1 KO or normal cells. (E) Stable DAR across species in plasma for M100B-vedotin. (F) M400-vedotin.

### In vitro cytotoxicity

Cell Line	IC <sub>50</sub> (M100B vedotin)	IC <sub>50</sub> (M400 vedotin)	Notes
T47D-M (Tn+/MUC1+)	0.56 nM	1.79 nM	Tn+ tumor cell line
MCF7-M (Tn+/MUC1+)	1.83 nM	2.32 nM	Tn+ tumor cell line
T47D-M MUC1 KO	No cytotox	Not Measured	Tn+ MUC1- tumor cell line
Normal primary cells: AC16 cardiomyocytes, keratinocytes, SAECS	No cytotox	No cytotox	No off-target toxicity in normal cells

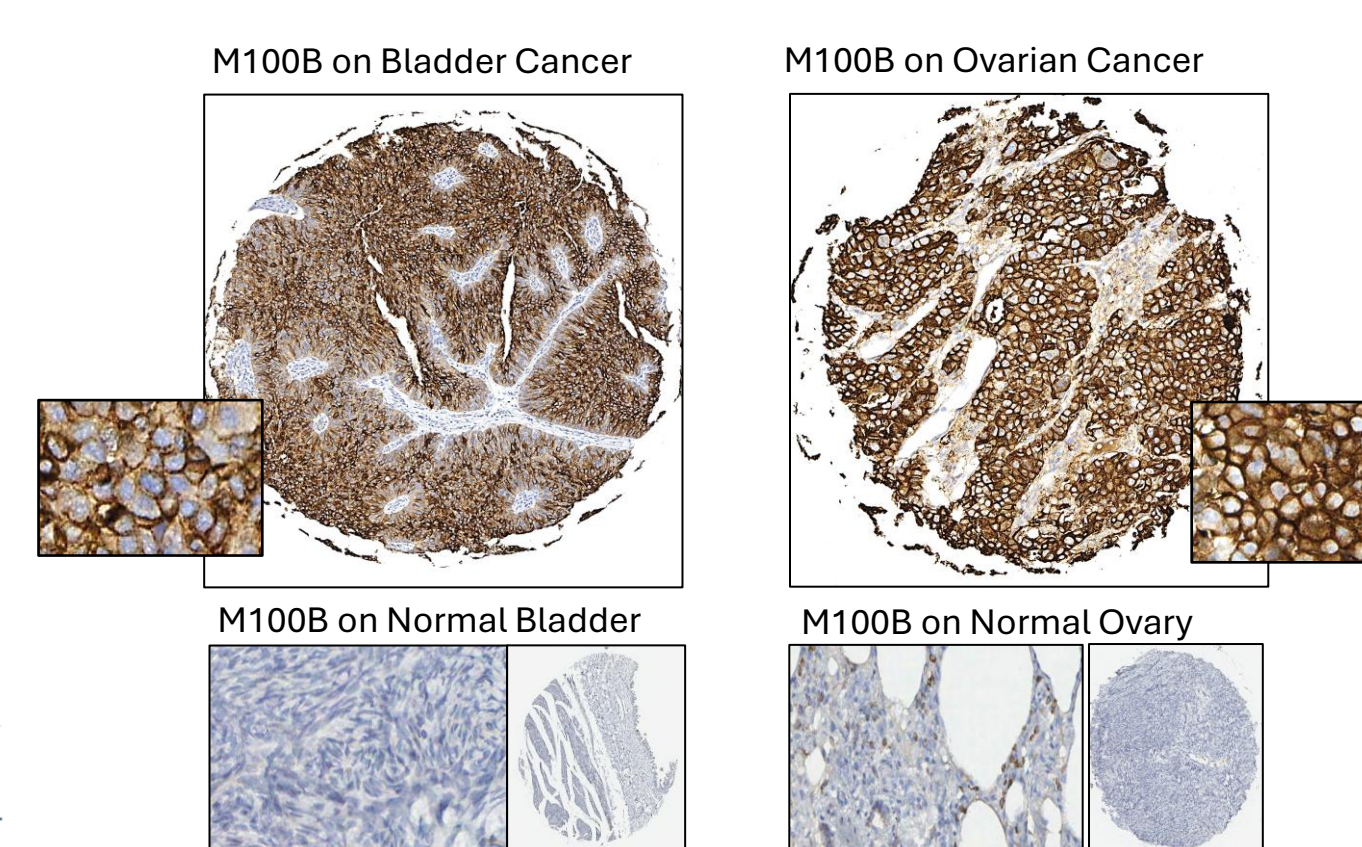
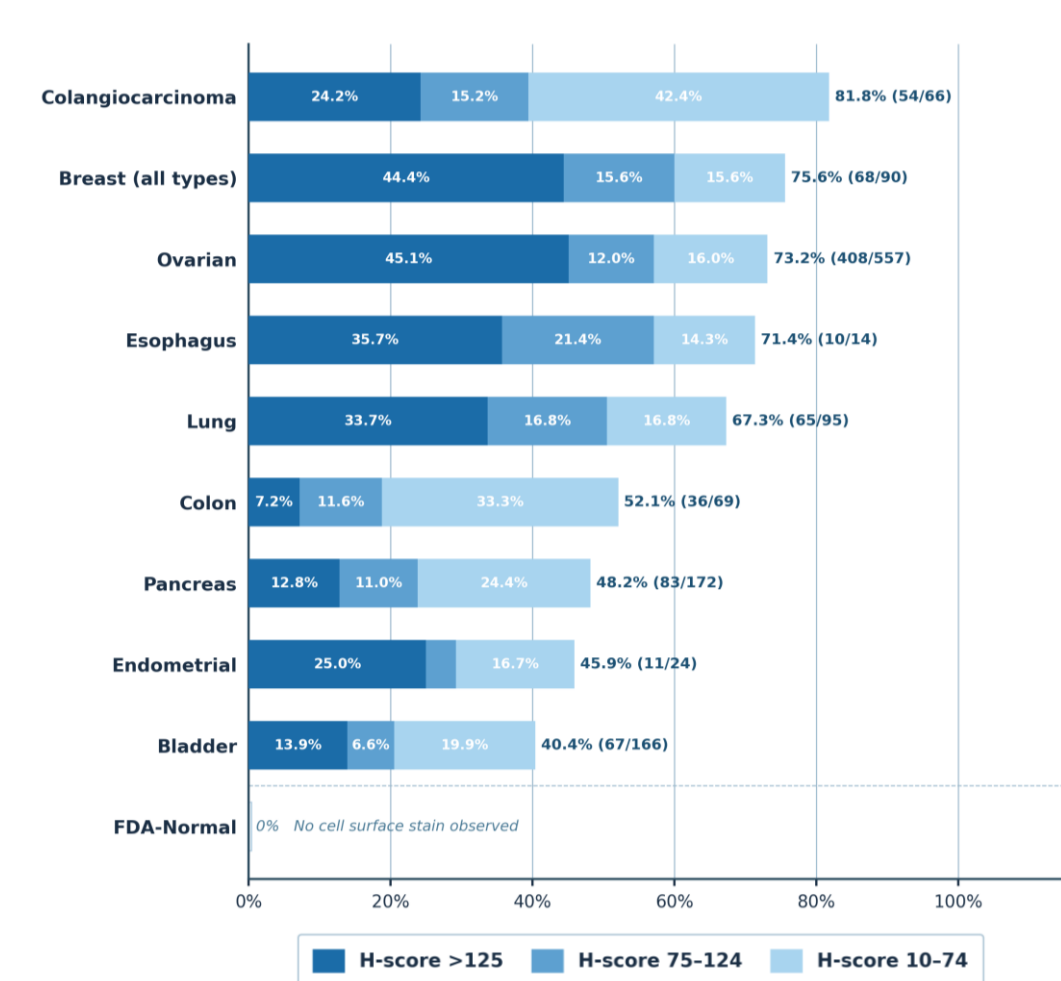
### In vitro plasma stability

Day	M100B-Vedotin: DAR (% of starting material)		
	Cyno	Hu	Mu
0	100	100	100
1	91.89	97.84	92.20
3	90.47	92.25	94.50
7	84.67	88.81	93.44
14	81.90	87.23	88.71

Day	M400-Vedotin DAR (% of starting material)		
	Cyno	Hu	Mu
0	100	100	100
1	96.94	95.13	98.42
3	97.08	95.33	96.56
7	91.09	94.16	94.00
14	93.82	93.65	90.78

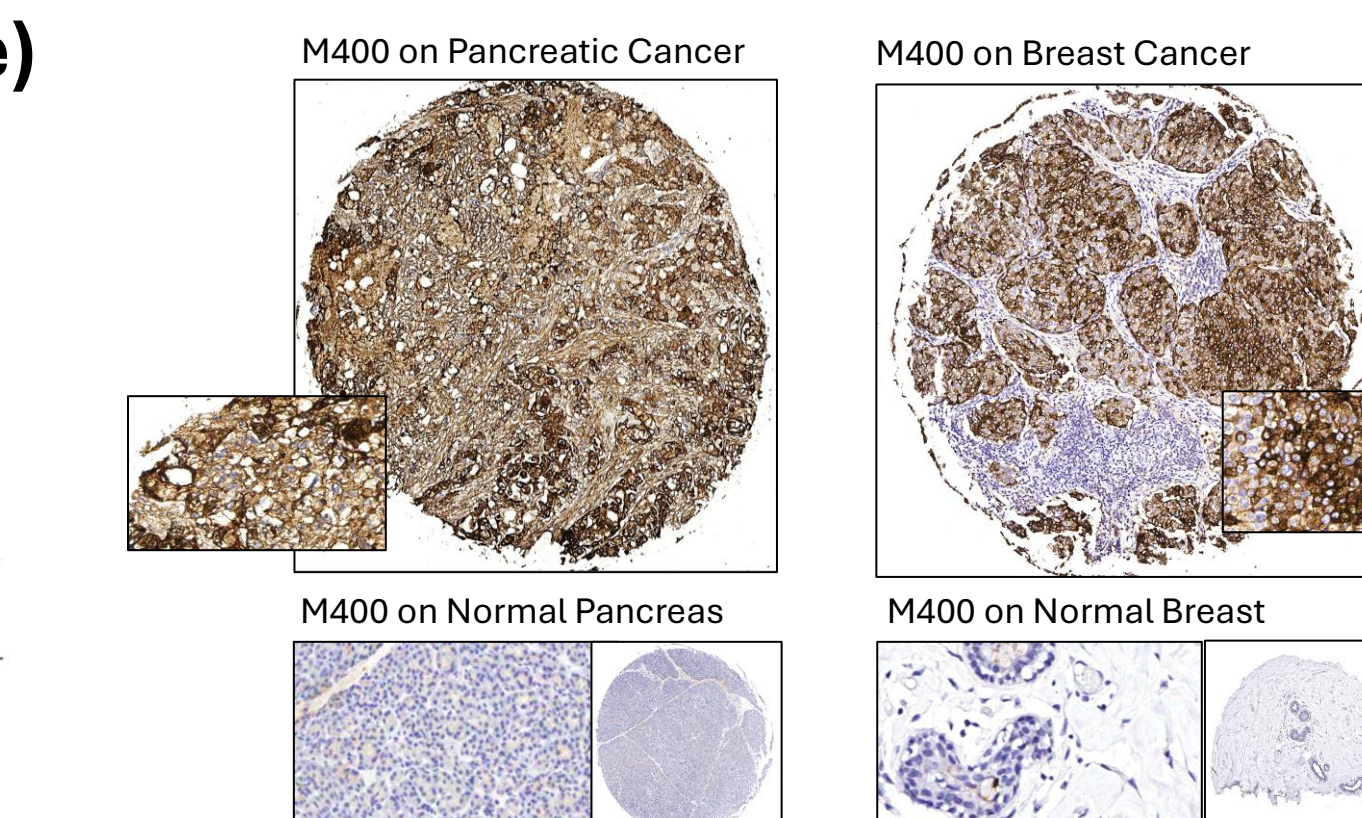
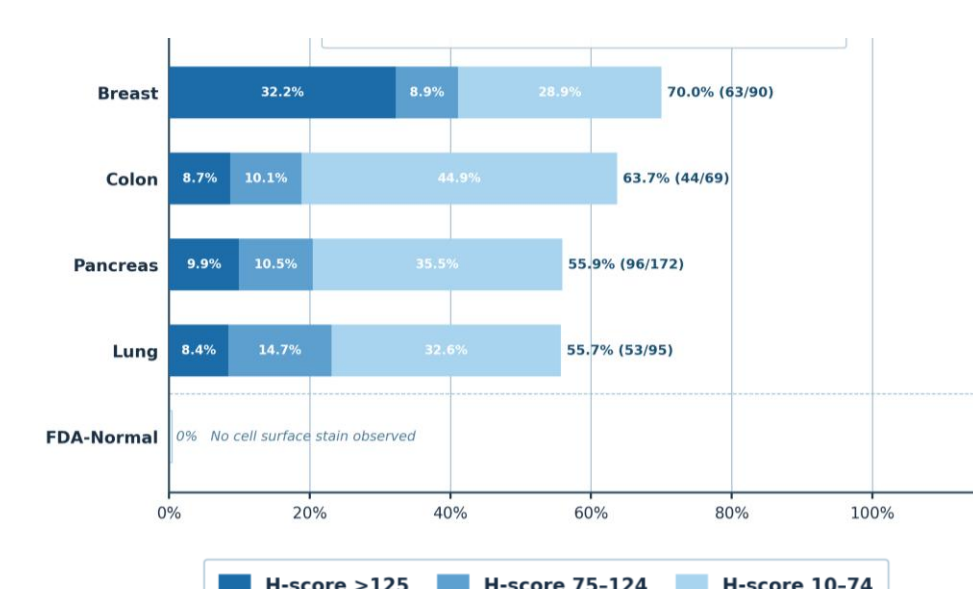
## Expression Prevalence of Tn-MUC1 and Tn-MUC4

### M100B Tissue Prevalence (H-score)



**GO-M100B (Tn-MUC1) Tumor Selectivity.** IHC prevalence across tumor indications compared to normal tissue. Immunohistochemical staining was performed on commercially sourced tissue microarrays. Bars represent the proportion of tumor cores scoring H-score ≥10, stratified by H-score intensity: >125 (dark blue), 75-124 (medium blue), and 10-74 (light blue). Total percent positive and sample fraction (n/N) are indicated at the end of each bar. Indications are ordered by descending total prevalence. FDA-approved normal tissue panels showed no cell surface staining.

### M400 Tissue Prevalence (H-score)



**GO-M400 (Tn-MUC4) Tumor Selectivity.** IHC prevalence across tumor indications compared to normal tissue. Immunohistochemical staining was performed on commercially sourced tissue microarrays. Bars represent the proportion of tumor cores scoring H-score ≥10, stratified by H-score intensity: >125 (dark blue), 75-124 (medium blue), and 10-74 (light blue). Total percent positive and sample fraction (n/N) are indicated at the end of each bar. Indications are ordered by descending total prevalence. FDA-approved normal tissue panels showed no cell surface staining.

## GO-M100B-Vedotin shows a clean safety profile

Analyte	Dose (mg/kg)	GO-M100B-vcMMAE — Mean TK Parameters: Intact ADC, Total Antibody & Free MMAE Payload						Notes	
		Cmax (µg/mL)	AUClast (h·µg/mL)	T1/2 (h)	T1/2λ (h)	Tmax (h)	Notes		
Intact ADC	5	140	188	19000	26000	224	265.8	0.54	Cmax and AUC proportional to dose; no accumulation
	10	254	339	36200	53000	264.8	286.8	0.08	Dose-proportional exposure (Ratio D1: 1.0x→1.8x→3.6x)
Total Antibody (TAB)	5	509	509	67700	65200	211.1	184.3	0.08	Similar kinetics to intact ADC; no accumulation
	10	286	355	43800	60900	329.3	320.2	0.08	Dose-proportional exposure
Free MMAE Payload	5	0.061 ng/mL	0.098 ng/mL	2.94 h·ng/mL	12.0 h·ng/mL	NC	NC	36	Below quantification limit at all timepoints
	10	0.142 ng/mL	0.186 ng/mL	25.7 h·ng/mL	60.1 h·ng/mL	NC	NC	36.5	Very low exposure; Tmax 24-36 h post-dose

Endpoint	Safety Findings Summary			Timepoint / Note
	5 mg/kg	10 mg/kg	18 mg/kg	
Mortality	✓ None	✓ None	✓ None	All survived to Day 43
Clinical Signs	✓ None	✓ None	✓ None	No test-article-related signs
Body Weight	✓ Stable	✓ Stable	✓ Stable	Within normal variation
WBC	✓ Normal	✓ Normal	Δ ↓ -57%	Day 15 (transient, 1 animal)
Neutrophils	✓ Normal	✓ Normal	Δ ↓ -84%	Day 15 (transient, 1 animal)
Lymphocytes	✓ Normal	✓ Normal	Δ ↓ -52%	Day 29 (transient, both animals)
ALT	✓ Normal	Δ ↑ +229%	Δ ↑ +262%	Day 4 only; resolved Day 8
AST	✓ Normal	Δ ↑ +160%	Δ ↑ +525%	Day 4 only; resolved Day 8
CK	✓ Normal	Δ ↑ +365%	Δ ↑ +1239%	Day 4 only; resolved Day 8

Highlight	PK Highlights	
	GO-M100B (M100B-vcMMAE)   NHP Safety Study   Female cynomolgus monkeys   Q3W × 2 doses	Detail
Dose-proportional Cmax & AUC	ADC & TAB exposure increases linearly across 5-18 mg/kg; supports predictable dose escalation.	
Long half-life ~184-329 h	Intact ADC T1/2 184-329 h across all dose groups and both cycles; consistent with Q3W dosing interval.	
Free MMAE BQL at 5 mg/kg	Free MMAE payload below LLOQ at 5 mg/kg on both Day 1 and Day 22; low systemic payload exposure at therapeutic range doses.	
Transient heme & liver changes	WBC/neutrophil/lymphocyte decreases and ALT/AST/CK elevations confined to 18 mg/kg (and partly 10 mg/kg); all fully resolved by Day 8-36.	
No ADA impact observed	Stable ADC and TAB exposure across Cycle 1 (Day 1) and Cycle 2 (Day 22); no evidence of immunogenicity-driven clearance.	

**GO-M100B-vedotin demonstrates a favorable safety and tolerability profile in non-human primates.** Female cynomolgus monkeys (n=2/group) received 5, 10, or 18 mg/kg IV Q3W × 2 (Days 1, 22). Intact ADC and total antibody showed dose-proportional Cmax and AUClast on Days 1 and 22, with terminal half-lives of 184-329 h. Free MMAE was below quantification at 5 mg/kg and remained at sub-nanomolar levels at higher doses. No mortality or test article-related clinical signs were observed; body weight and food consumption were stable. Transient, non-adverse decreases in WBCs, neutrophils, and lymphocytes occurred at 18 mg/kg. ALT, AST, and CK elevations (single animals, 10 and 18 mg/kg) were observed on Day 4, resolved by Day 8, and did not recur after Dose 2. Overall, the profile shows dose-proportional exposure, long half-life, minimal systemic payload exposure, and no evidence of immunogenicity-driven clearance. STD<sub>10</sub> was 18 mg/kg. Note M400-vedotin showed a similar safety profile (data not shown).

## Summary

- GO-M100B (Tn-MUC1) & GO-M400 (Tn-MUC4) targets aberrant O-glycosylation on mucins selectively expressed in cancer
- Lead ADCs GO-M100B & GO-M400: Site-specific DAR2 mc-vc-PAB-MMAE conjugates; exatecan (β-Glu, DAR8) payloads in development
- Broad expression across epithelial cancers (CRC, PDAC, lung, breast, ovarian, esophageal, bladder)
- Designed for strong tumor penetration and efficient internalization
- Potent activity across multiple PDX models and target expression levels (MED ~1 mg/kg)
- Favorable tolerability: well tolerated in pilot NHP studies up to 18 mg/kg (M100B-vedotin) and 10 mg/kg (M400-vedotin)