DIMA BIOTECH
Recombinant mAbs and proteins

DIMA Biotechnology LTD

“All Druggable Targets (ADT)” Lead mAb molecules

Dedicate on Drug Targets，Specialize in recombinant mAb development

2025 / 03 / 07

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Recombinant mAbs and proteins

DIMA Biotech All Druggable Targets (ADT) Lead Discovery Program

To help Biopharma accelerate its pace on pre-clinical antibody drug lead selection, DIMA, equipped with its proprietary single B cell discovery platform, launched an "All Druggable Targets (ADT)" lead discovery program. With this program, DIMA will pre-develop lead mAb molecules and their corresponding DimAb B cell libraries for all druggable targets. The ultimate goal for this program is to make these pre-developed and pre-validated lead mAb molecules as on-self products, so that Biopharma do not have to wait or spend unnecessary resources on early stage of the discovery phases. In a simple word, DIMA will ease the burden of Biopharma on antigen preparation and FACS binder screening for drug lead screening. By this way, Biopharma can exert more energy or resources on downstream assay development and clinical stage. Currently, more than 400 targets have been validated, which are related to blood tumors, immune checkpoints, and solid tumors. Among them, there are 30+humanization validated targets, 300+ targets of in vitro validation of CAR-T, and 80+ ADC validated targets.

Target	Bioactive Antigen	B Cell Seed Library	Human/Rabbit Chimeric Antibody	Fully Humanized	In Vitro functional assay
(G4S)4	●	●			
2B4	●	●	●		
4-1BB	●	●	●		
4-1BB Ligand	●	●	●		
5T4	●	●	●	●	ADC
A29L	●	●	●		
A35R	●	●	●		
ACE2	●	●	●		
ACVR1C	●	●			
ACVR2A	●	●	●		
ACVR2B	●	●	●		
ACVRL1	●	●	●		
ADAM15	●	●			
ADAM8	●	●			
ADAM9	●	●	●	●	ADC
ADAMTS1	●	●	●		
ADAMTS13	●	●			
ADGRD1	●	●			
ADGRE1	●	●	●		
ADGRE2	●	●	●		

Target	Bioactive Antigen	B Cell Seed Library	Human/Rabbit Chimeric Antibody	Fully Humanized	In Vitro functional assay
ADORA2A	●	●			
AFP	●	●	●		
AFP(TCR)	●	●			
AGR2	●	●	●		
AGTR1	●	●			
ALB	●	●	●		
ALPI	●	●			
ALPP	●	●	●		
AMHR2	●	●	●		
ANGPTL3	●	●	●		
ANPEP	●	●	●		
ANTXR1	●	●			
ANXA1	●	●			
APCDD1	●	●	●		
APLNR	●	●			
APLP2	●	●	●		
AREG	●	●	●		
ASGR1	●	●	●		
AXL	●	●	●	●	ADC
B4GALT1	●	●	●		
B7-1	●	●	●		
B7-2	●	●	●		
B7-H2	●	●	●	●	
B7-H3	●	●	●	●	ADC
B7-H4	●	●	●		ADC
B7-H5	●	●	●		
B7-H6	●	●	●	●	
B7-H7	●	●	●		
BAFF	●	●	●		
BAFF-R	●	●	●	●	
BAMBI	●	●			
BCAM	●	●	●		
BCL2L1	●	●	●		
BCMA	●	●	●	●	ADC/CAR-T
BMP6	●	●			
BMPR1A	●	●			
BRD4	●	●			
BST1	●	●	●		
BST2	●	●			
BTC	●	●	●		
BTLA	●	●	●		
BTN3A1	●	●	●	●	
BTN3A2	●	●	●		

Target	Bioactive Antigen	B Cell Seed Library	Human/Rabbit Chimeric Antibody	Fully Humanized	In Vitro functional assay
BTN3A3	●	●	●		
C2	●	●			
C5AR1	●	●			
CA12	●	●			
CA9	●	●	●		ADC
CALCA	●				
CALR	●	●	●		
Canine IL31	●	●	●		
Canine PD1	●	●	●		
CB1	●	●	●		
CB2	●	●			
CCL2	●	●			
CCL20	●	●			
CCR1	●	●	●		
CCR2	●	●	●		
CCR3	●	●			
CCR4	●	●	●		
CCR5	●	●	●		
CCR6	●	●	●		
CCR7	●	●			ADC
CCR8	●	●	●	●	
CCR9	●	●			
CD10	●	●	●		
CD106	●	●			
CD112	●	●	●		
CD114	●	●	●		
CD117	●	●	●		ADC
CD123	●	●	●	●	ADC/CAR-T
CD138	●	●	●	●	ADC/CAR-T
CD14	●	●	●		
CD142	●	●	●		ADC
CD147	●	●	●		
CD155	●	●	●		
CD160	●	●	●		
CD164	●	●	●		
CD166	●	●	●		ADC
CD171	●	●	●		
CD19	●	●	●		ADC
CD1A	●	●			
CD2	●	●	●		
CD20	●	●	●		
CD200	●	●	●		
CD200R1	●	●	●		

Target	Bioactive Antigen	B Cell Seed Library	Human/Rabbit Chimeric Antibody	Fully Humanized	In Vitro functional assay
CD205	●	●	●		ADC
CD21	●	●	●		
CD22	●	●	●	●	ADC/CAR-T
CD23	●	●	●		
CD235A	●	●			
CD24	●	●	●		
CD26	●	●			
CD27	●	●	●	●	
CD28	●	●	●	●	ADC
CD30	●	●	●	●	ADC/CAR-T
CD30 Ligand	●	●	●		
CD304	●	●			
CD32a	●	●	●		
CD33	●	●	●	●	ADC/CAR-T
CD34	●	●	●		
CD36	●	●	●		
CD37	●	●	●		ADC
CD38	●	●	●	●	ADC/CAR-T
CD3D&CD3E	●	●			
CD3E	●	●	●		
CD3G	●	●			
CD40	●	●	●	●	
CD40 Ligand	●	●	●		
CD43	●	●	●		
CD44	●	●	●		ADC
CD45	●	●	●	●	
CD46	●	●	●		ADC
CD47	●	●	●	●	
CD48	●	●	●		ADC
CD5	●	●	●		
CD52	●	●			
CD56	●	●	●		ADC
CD59	●	●			
CD5L	●	●	●		
CD6	●	●	●		
CD62L	●	●	●		
CD63	●	●	●		
CD68	●	●			
CD69	●	●			
CD7	●	●	●	●	
CD70	●	●	●	●	ADC
CD72	●	●	●	●	
CD73	●	●	●		

Target	Bioactive Antigen	B Cell Seed Library	Human/Rabbit Chimeric Antibody	Fully Humanized	In Vitro functional assay
CD74	●	●	●		ADC
CD79A	●	●			
CD79B	●	●	●		ADC
CD81	●	●	●		
CD83	●	●	●		
CD9	●	●	●		
CD93	●	●	●		
CD94	●	●	●		
CD96	●	●	●		
CD98	●	●	●		
CD99	●	●	●	●	
CDCP1	●	●			
CDH1	●	●	●		
CDH17	●	●	●	●	ADC
CDH3	●	●	●		ADC
CDH6	●	●	●		ADC
CEACAM1	●	●	●		
CEACAM5	●	●	●	●	ADC
CEACAM6	●	●	●		ADC
CEACAM8	●	●	●		
CFB	●	●	●		
CFD	●	●			
CGRP	●	●	●		
CHI3L1	●	●	●		
CHODL	●	●	●		
CHRM2	●	●			
CLDN18.2	●	●	●	●	ADC
CLDN2	●	●			
CLDN3	●	●			
CLDN4	●	●			
CLDN5	●	●			
CLDN6	●	●	●		ADC/CAR-T
CLEC12A	●	●	●	●	
CLEC14A	●	●			
CLEC1A	●	●	●		
CLEC2D	●	●	●		
CLEC4C	●	●	●		
CLEC5A	●	●			
CLEC9A	●	●	●		
CLU	●	●	●		
CMKLR1	●	●			
CPM	●	●			
CRTAM	●	●	●		

Target	Bioactive Antigen	B Cell Seed Library	Human/Rabbit Chimeric Antibody	Fully Humanized	In Vitro functional assay
CRTH2	●	●			
CS1	●	●	●	●	ADC/CAR-T
CSF1R	●	●	●	●	ADC
CSPG4	●	●	●		
CTLA-4	●	●	●		
CX3CR1	●	●			
CXADR	●	●	●		
CXCL1	●	●	●		
CXCL10	●	●	●		
CXCL12	●	●			
CXCL13	●	●	●		
CXCL16	●	●			
CXCL4	●	●	●		
CXCL5	●	●	●		
CXCR1	●	●	●		
CXCR2	●	●	●		
CXCR3	●	●	●		
CXCR4	●	●	●		
CXCR5	●	●	●		
CXCR6	●	●			
CXCR7	●	●	●		
DAP10	●	●			
DDR1	●	●	●		
Deruxtecan		●	●		
DKK1	●	●	●	●	
DLK1	●	●			
DLL3	●	●	●	●	ADC/CAR-T
DM1		●	●		
DNAM-1	●	●	●		
DR6	●	●			
DSG2	●	●			
ECSCR	●	●	●		
EDA	●	●	●		
EDNRB	●	●			
EFNA3	●	●			
EGF	●	●			
EGFP	●	●	●		ADC
EGFR	●	●	●	●	ADC
EGFRVIII	●	●	●		
EMCN	●	●	●		
ENPP3	●	●	●		ADC
EPCAM	●	●	●	●	ADC
EPHA2	●	●	●		ADC

Target	Bioactive Antigen	B Cell Seed Library	Human/Rabbit Chimeric Antibody	Fully Humanized	In Vitro functional assay
EPHA3	●	●	●		
EPHA4	●	●	●		
EPHA5	●	●			
EPHB2	●	●			
EREG	●	●	●		
Eribulin		●	●		
exatecan	●				
F2RL1	●	●			
FAP	●	●	●	●	ADC
FCGR1A	●	●			
FCGR3A	●	●	●		
FCGR3B	●	●			
FCN1	●	●			
FCRL5	●	●	●	●	ADC
Feline IL31	●	●	●		
FGF19	●	●	●		
FGF21	●	●	●		
FGFR1	●	●			
FGFR2IIIb	●	●	●		
FGFR2IIIc	●				
FGFR3	●	●			
FGFR4	●	●	●		
FLAG	●	●	●		
FLT1	●	●			
FLT3	●	●	●		ADC
FLT3 Ligand	●	●	●		
FOLR1	●	●	●	●	ADC
FOLR2	●	●	●		
FSTL1	●	●			
FURIN	●	●			
FZD10	●	●	●		ADC
FZD4	●	●	●		
GAL	●	●			
Galectin-9	●	●	●		
GAS6	●	●	●		
GAST	●	●	●		
GCGR	●	●			
GDF15	●	●	●		
GDF8	●	●			
GDNF	●	●	●		
GFAP	●	●	●		
GFRA3	●	●			
GHR	●	●			

Target	Bioactive Antigen	B Cell Seed Library	Human/Rabbit Chimeric Antibody	Fully Humanized	In Vitro functional assay
GIPR	●	●	●		
GITR	●	●	●	●	
GITR Ligand	●	●	●		
GLP1R	●	●	●		
GM-CSF	●	●	●		
GM-CSFR	●	●			
GNRHR	●	●			
GP6	●	●	●		
GPA33	●	●	●		
GPBAR1	●	●			
GPC1	●	●	●		
GPC3	●	●	●	●	
GPNMB	●	●	●		ADC
GPR20	●	●	●		
GPR55	●	●			
GPR56	●	●	●		
GPR65	●	●			
GPR75	●	●	●		
GPR77	●	●	●		
GPR81	●	●			
GPR87	●	●	●		
GPRC5D	●	●	●	●	ADC/CAR-T
GRP	●	●			
GRPR	●	●	●		
GUCY2C	●	●	●	●	ADC
HAMP	●	●			
HBEGF	●	●	●		
HBsAg	●	●	●		
HCRTR1	●	●			
HER2	●	●	●	●	ADC
Her3	●	●	●		ADC
Hole	●	●			
HVEM	●	●	●	●	
IBSP	●	●			
ICAM-1	●	●	●		ADC
ICOS	●	●	●		
IFN gamma	●	●	●		
IFNA1	●	●			
IFNA2	●	●	●		
IFNAR1	●	●	●	●	
IFNAR2	●	●			
IFNB1	●	●	●		
IFNGR1	●	●			

Target	Bioactive Antigen	B Cell Seed Library	Human/Rabbit Chimeric Antibody	Fully Humanized	In Vitro functional assay
IGF1	●	●	●		
IGF-1R	●	●	●		ADC
IGFBP2	●	●			
IGFBP7	●	●	●		
IL10	●	●	●		
IL11	●				
IL11RA	●	●	●		
IL12RB1	●	●	●		
IL13	●	●	●		
IL13RA1	●	●	●		
IL13RA2	●	●			
IL15RA	●	●	●		
IL17A	●	●			
IL17RA	●	●	●		
IL18BP	●	●	●		
IL18RA	●	●	●		
IL19	●	●	●		
IL1A	●	●	●		
IL1B	●	●	●		ADC
IL1R2	●	●			
IL1RA	●	●			
IL2	●	●	●		
IL20	●	●			
IL20RA	●	●			
IL20RB	●	●			
IL21	●	●	●		
IL21R	●	●	●		
IL22	●	●	●		
IL23(IL23A&IL12B)	●	●	●		
IL23A	●	●			
IL2RA	●	●	●		ADC
IL3	●	●			
IL31	●				
IL31RA	●	●	●		
IL4	●	●			
IL4RA	●	●	●		
IL5	●	●	●		
IL5RA	●	●	●		
IL6	●	●	●		
IL6R	●	●	●		
IL7RA	●	●	●		
ITGA2&ITGB1	●	●			
ITGB6	●	●	●		

Target	Bioactive Antigen	B Cell Seed Library	Human/Rabbit Chimeric Antibody	Fully Humanized	In Vitro functional assay
ITGB7	●				
ITPRIPL1	●	●			
JAM-A	●	●	●		
KCNK9	●	●			
KIR2DL1	●	●	●		
KLRG1	●	●	●		
KRAS	●				
LAG3	●	●	●		
LAIR1	●	●	●		
LAMP3	●	●			
LAMP5	●	●			
LGALS1	●	●	●		
LGALS3	●	●	●		
LGR4	●	●	●		
LGR5	●				
LIF	●	●			
LIGHT	●	●	●		
LILRA2	●	●			
LILRB2	●	●	●		
LILRB4	●	●			
LIPG	●	●			
LIV-1	●	●	●		ADC
LOX-1	●	●			
LRP10	●	●	●		
LY6E	●	●			
MAGE-A4(TCR)	●	●			
MC4R	●	●	●		
M-CSF	●	●	●		
MDR-1	●	●			
MELTF	●	●			
Mesothelin	●	●	●	●	ADC
MET	●	●	●		ADC
MICA	●	●	●		ADC
MICB	●	●	●		ADC
MMAE		●	●		
MMP13	●	●			
MMP14	●	●			
MMP9	●	●			
MRGPRX2	●	●			
MST1R	●	●	●		
MUC1	●	●	●	●	ADC
MUC16	●	●	●		
NCL	●	●			

Target	Bioactive Antigen	B Cell Seed Library	Human/Rabbit Chimeric Antibody	Fully Humanized	In Vitro functional assay
NCR1	●	●	●		
Nectin-4	●	●	●		ADC
NEFL	●	●	●		
NKG2A	●	●	●		
NKG2D	●	●	●		
NKP30	●	●	●		
NLRP3	●	●	●		
NOTCH3	●	●			ADC
NPC1L1	●	●			
NPR1	●	●			
NPY	●	●			
NRG1	●	●	●		
NTB-A	●	●	●		ADC
NTRK2	●	●			
NTSR1	●	●			
NY-ESO-1(TCR)	●	●			
OR2H1	●	●			
OX40	●	●	●		
OX40 Ligand	●	●	●		
p16	●	●			
P2RX7	●	●			
PAI1	●	●			
PCSK9	●	●	●		
PD-1	●	●	●		
PD-L1	●	●	●		ADC
PDL2.	●	●	●		
PF4V1	●	●	●		
PGF	●	●	●		
PGLYRP1	●	●	●		
PLA2R1	●	●			
PMEL	●	●	●		
POMC	●	●			
PRAME	●	●			
PRL	●	●			
PRLR	●	●	●		ADC
PROKR1	●	●			
PROM1	●	●			
PSCA	●	●	●		
PSMA	●	●			ADC
PTGER2	●	●			
PTGER4	●	●			
PTH	●	●			
PTH1R	●	●			

Target	Bioactive Antigen	B Cell Seed Library	Human/Rabbit Chimeric Antibody	Fully Humanized	In Vitro functional assay
PTN	●	●			
PTPRG	●	●	●		
PTTG1IP	●	●			
PVRIG	●	●	●		
QSOX1	●	●			
RNASE4	●	●			
RNF43	●	●			
ROR1	●	●	●	●	ADC
ROR2	●	●	●		ADC
RSPO3	●	●	●		
S100A9	●	●	●		
SAP	●	●			
SARS-CoV-2(2019-nCoV) Nucleocapsid	●	●			
SARS-CoV-2(2019-nCoV)S protein RBD	●	●	●		
SARS-CoV-2(Omicron)Nucleocapsid	●	●			
SARS-CoV-2(Omicron)S protein RBD	●	●			
SCF	●	●	●		
SELP	●	●	●		
SELPLG	●	●	●		
SEMA4D	●	●	●		
SEMA7A	●	●			
SEZ6	●	●	●		ADC
SFRP2	●	●			
SIGLEC10	●	●			
SIGLEC15	●	●	●		
SIGLEC7	●	●	●		
SIGLEC9	●	●	●		
SIRPα	●	●	●		
SLAMF1	●	●	●		
SLAMF5	●	●	●		
SLC2A4	●	●			
SLC4A7	●	●			
SLC7A11	●	●			
SN-38		●	●		
SPA17	●	●			
SPARC	●	●	●		
SSTR2	●	●	●	●	
STEAP1	●	●			
StrepA	●	●			
TACI	●	●	●		

Target	Bioactive Antigen	B Cell Seed Library	Human/Rabbit Chimeric Antibody	Fully Humanized	In Vitro functional assay
TAFA5	●	●	●		
TENM4	●	●	●		
TFRC	●	●	●		ADC
TGFA	●	●			
TGFB3	●				
TGFBR1	●	●			
TGFBR2	●	●	●		ADC
THEMIS	●	●	●		
TIGIT	●	●	●		
TIM1	●	●	●		ADC
TIM3	●	●	●		
TM4SF1	●	●			
TNFRSF10B	●	●	●		ADC
TNFRSF11A	●	●			
TNFRSF1B	●	●	●		
TNFRSF6	●	●			
TNFSF11	●	●	●		
TNFSF12	●	●	●		
TNFSF15	●	●	●		
TNFα	●	●			
TPSAB1	●	●			
TREM2	●	●	●		
TREML1	●	●			
Trop2	●	●	●		ADC
TRPA1	●	●			
TRPV1	●	●	●		
TSHR	●	●	●		
TSLP	●	●	●		
TSPAN8	●	●			
TweakR	●	●	●		
TYRO3	●	●	●		
UCHL1	●	●	●		
ULBP2	●	●			
UPA	●	●	●		
UTS2R	●	●			
VEGFA	●	●	●		ADC
VEGFR2	●	●	●		
VSIG4	●	●	●		
VWF	●	●	●		
WT1(TCR)	●	●			
XCR1	●	●			
YAP1	●	●	●		
ZNRF3	●	●			

CAR-T Targets Under Development

Target	Lead mAb discovery	CAR Construction	Lentivirus packaging	In Vitro Testing	In Vivo Testing	IIT
GPRC5D						
BCMA						
GPRC5D&BCMA						
CD138						
GPC3						
FcRL5						
Claudin18.2						
CD38						
Mesothelin						
5T4						
CD70						
AXL						
CD123						
MUC1						
EGFR						
CEACAM5						
CS1						
FAP						
B7H3						
EpCAM						
ROR1						
GUCY2C						
FOLR1						
CCR8						
CD7						
CDH17						
CD79A						
CD79B						
CD30						
CD33						
CDH6						
GPC1						
DLL3						
EGFRVIII						
CSF1R						
SSTR2						

DIMA Biotechnology LTD

Dedicate on immuno-oncology,
Perfect with recombinant mAb development

On-shelf Lead Antibody Molecules

400+ Druggable Targets

5000+ Lead Antibody Molecule Sequences

Zero Waiting, Zero Risk

Lead Antibody Molecules

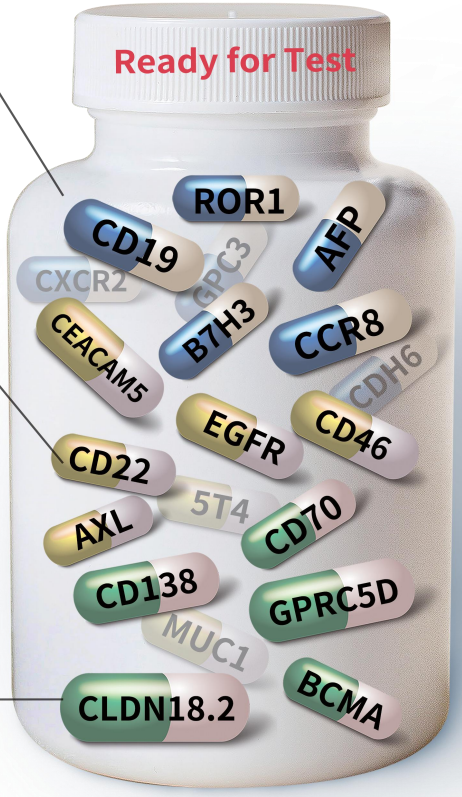
- Antibody sequences
- FC validation data

Antibody Humanization/ Affinity Maturation

- Humanized Antibody Sequences
- Increased affinity (to pM level)

Preclinical Validation

- CAR-T In-Vitro/In-Vivo testing
- Antibody Internalization assay
- ADCC/CDC/ADCP



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