



DIMA Biotech All Druggable Targets (ADT) Lead Discovery Program

To help Biopharm 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 Biopharms 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 Biopharms on antigen preparation and FACS binder screening for drug lead screening. By this way, Biopharms can exert more energy or resources on downstream assay development and clinical stage. Right now, DIMA already finished more than 210+ drug target projects related to blood tumors, immune checkpoints and solid tumors. More than 30+ of these drug targets have been fully humanized for the downstream applications.

Target	Bioactive Antigen	B Cell Seed Library	Human/Rabbit Chimeric Antibody	Fully Humanized
BCMA	●	●	●	●
CS1	●	●	●	●
CD123	●	●	●	●
CD38	●	●	●	●
CD22	●	●	●	●
CD33	●	●	●	●
CD138	●	●	●	●
FLT3	●	●		
FLT3LG	●	●	●	
CD30	●	●	●	●
CD30-L	●	●	●	
CD27	●	●	●	●
BAFF	●	●	●	
SIRPα	●	●	●	
CD47	●	●	●	●
BAFF-R	●	●	●	
EPHA3	●	●	●	
PD-1	●	●	●	
PD-L1	●	●	●	
PD-L2	●	●	●	
CTLA4	●	●	●	
B7-1	●	●	●	
B7-2	●	●	●	
CD28	●	●	●	●

Target	Bioactive Antigen	B Cell Seed Library	Human/Rabbit Chimeric Antibody	Fully Humanized
TYRO3	•	•		
CD81	•	•	•	
CD96	•	•	•	
CD155	•	•	•	
DNAM-1	•	•	•	
TIM3	•	•	•	
VWF	•	•	•	
FGFR4	•	•	•	
B7H3	•	•	•	•
B7H4	•	•	•	
GITR	•	•	•	•
GITR Ligand	•	•	•	
ICOS	•	•	•	
B7H2	•	•	•	•
4-1BB	•	•	•	
4-1BB Ligand	•	•	•	
OX40	•	•	•	
OX40-L	•	•	•	
2B4	•	•	•	
CD48	•	•	•	
TRPV1	•	Immunization		
CD40	•	•	•	•
BTN3A1	•	•	•	
SLAMF5	•	•	•	
NTB-A	•	•	•	
SLAMF1	•	•	•	
Mesothelin	•	•	•	•
IL6	•	•	•	
SARS-CoV-2 (2019-nCoV) S protein RBD	•	•	•	
ACE2	•	•	•	
CD70	•	•	•	•
Trop2	•	•	•	
SARS-CoV-2 (2019-nCoV) Nucleocapsid	•	•		
NKP30	•	•	•	
GPRC5D	•	•	•	•
PSCA	•	•	•	
IL5	•	•	•	
TweakR	•	•		
TIGIT	•	•	•	
CSF1R	•	•	•	•
TNFRSF10B	•	•	•	
CD37	•	•	•	
CD7	•	•	•	•
FCGR3A	•	•	•	
EPCAM	•	•	•	
CLDN6	•	•		
CD200	•	•	•	
AXL	•	•	•	•
TGFBR1	•	•		
CD40L	•	•	•	
TACI	•	•	•	

Target	Bioactive Antigen	B Cell Seed Library	Human/Rabbit Chimeric Antibody	Fully Humanized
CB1	•	•	•	
NKG2D	•	•	•	
CD5	•	•	•	
IL17RA	•	•	•	
IL2RA	•	•	•	
CD34	•	•	•	
CEACAM5	•	•	•	•
EGFR	•	•	•	•
CD46	•	•	•	
CLEC12A	•	•	•	
ROR2	•	•	•	
HVEM	•	•	•	•
5T4	•	•	•	•
IL6R	•	•	•	
CD171	•	•	•	
CA9	•	•	•	
CD52	•	•	•	
FAP	•	•	•	•
TNFSF12	•	•	•	
SELP	•	•	•	
ROR1	•	•	•	
B7H6	•	•	•	
EPHA2	•	•	•	
MICA	•	•	•	
TNFSF11	•	•	•	
VEGFA	•	•	•	
MICB	•	•	•	
LAG3	•	•	•	
Her3	•	•	•	
CD10	•	•	•	
CD114	•	•	•	
CD117	•	•	•	
LIGHT	•	•	•	
CD24	•	•	•	
KLRG1	•	•	•	
TM4SF1	•	•	•	
CD56	•	•	•	
CD44	•	•	•	
CD160	•	•	•	
IL13RA1	•	•	•	
BTLA	•	•	•	
VEGFR2	•	•	•	
ADAM9	•	•	•	
GM-CSF	•	•	•	
BCL2L1	•	•	•	
ADORA2A	•	•	•	
CCR4	•	•	•	
ALB	•	•	•	
AFP	•	•	•	
AMHR2	•	•	•	
CB2	•	•	•	

Target	Bioactive Antigen	B Cell Seed Library	Human/Rabbit Chimeric Antibody	Fully Humanized
DKK1	●	●	●	●
IL1B	●	●	●	
IL2	●	●	●	
B7H5	●	●	●	
AFP(TCR)	●	●		
NY-ESO-1(TCR)	●	●		
MAGE-A4(TCR)	●	●		
WT1(TCR)	●	●		
IL18RA	●	●	●	
CXCR3	●	●	●	
CCR8	●	●	●	
CFB	●	●	●	
CD19	●	●	●	
NEFL	●	●	●	
FCRL5	●	●	●	●
CD99	●	●	●	
CCR2	●	●	●	
NRG1	●	●	●	
PGF	●	●	●	
SCF	●	●	●	
CD43	●	●	●	
ANGPTL3	●	●	●	
CD112	●	●	●	
CLDN18.2	●	●	●	●
IL5RA	●	●	●	
CD26	●	●		
CD45	●	●	●	
IL15RA	●	●	●	
UCHL1	●	●	●	
CD73	●	●	●	
GFAP	●	●	●	
TREM2	●	●	●	
PCSK9	●	●	●	
MDR-1	●	●		
IL21	●	●		
IL21R	●	●	●	
PROM1	●	●		
IL7RA	●	●	●	
VSIG4	●	●	●	
IL4RA	●	●	●	
LGALS1	●	●	●	
JAM-A	●	●	●	
GaLectin9	●	●	●	
SLC7A11	●	●		
CD36	●	●	●	
NKG2A	●	●	●	
CD21	●	●	●	
IFNAR1	●	●	●	●
IL11RA	●	●	●	
THEM	●	●	●	
GPC3	●	●	●	

Target	Bioactive Antigen	B Cell Seed Library	Human/Rabbit Chimeric Antibody	Fully Humanized
P2X7	•	•		
ICAM1	•	•	•	
SELPLG	•	•	•	
SARS-CoV-2 (Omicron) Nucleocapsid	•	•		
SARS-CoV-2 (Omicron) S protein RBD	•	•		
CD2	•	•	•	
FOLR1	•	•	•	
PMEL	•	•	•	
B4GALT1	•	•	•	
GPR75	•	•	•	
MUC1	•	•	•	
CLEC2D	•	•	•	
HER2	•	•	•	
EDA	•	•	•	
IGFBP7	•	•	•	
DDR1	•	•	•	
CD93	•	•	•	
FOLR2	•	•	•	
GUCY2C	•	•	•	
CLEC14A	•	•		
PSMA	•	•		
M-CSF	•	•	•	
CD83	•	•	•	
CLU	•	•	•	
CD62L	•	•	•	
UPA	•	•	•	
ADGRE2	•	•	•	
Nectin-4	•	•	•	
CD5L	•	•	•	
CRTAM	•	•	•	
EFNA3	•	•		
CD69	•	•		
CHODL	•	•	•	
EREG	•	•	•	
CD63	•	•	•	
CXCR7	•	•	•	
GFRA3	•	•		
EPHA4	•	•	•	
GP6	•	•	•	
TSLP	•	•	•	
BST1	•	•	•	
ANXA1	•	•		
RNF43	•	•		
SSTR2	•	•	•	
PRLR	•	•	•	
CD142	•	•	•	
TNFSF15	•	•	•	
CCR1	•	•	•	
EPHA5	•	•		
GHR	•	•		
FZD4	•	•	•	

Target	Bioactive Antigen	B Cell Seed Library	Human/Rabbit Chimeric Antibody	Fully Humanized
CDCP1	●	●		
CSPG4	●	●	●	
GPR55	●	●		
SPARC	●	●		
IFNAR2	●	●		
TGFBR2	●	●	●	
CLEC1A	●	●	●	
CLEC9A	●	●	●	
PVRIG	●	●	●	
MMP-9	●	●		
GAS6	●	●		
ADGRE1	●	●	●	
ANTXR1	●	●		
FGF21	●	●		
NPR1	●	●		
CXCR1	●	●	●	
CD74	●	●	●	
IL22	●	●	●	
GRP	●	●		
EMCN	●	●	●	
NOTCH3	●	●		
GDF15	●	●	●	
SIGLEC7	●	●	●	
CD164	●	●	●	
CCR6	●	●	●	
GPR87	●	●	●	
KCNK9	●	●		
TPSAB1	●	●		
SLC4A7	●	●		
GPR77	●	●		
CD32a	●	●		
CHI3L1	●	●		
CXCL4	●	●		
CDH1	●	●		
YAP1	●	●		
CDH17	●	●		
LILRB2	●	●		
APCDD1	●	●	●	
CD23	●	●		
FZD10	●	●		
GPA33	●	●		
GDNF	●	●		
TENM4	●	Immunization		
SEMA4D	●	Immunization		
CXCL1	●	●		
HBEGF	●	●		
CCR9	●	●		
LIV-1	●	Immunization		
CDH6	●	Immunization		
CXCR5	●	●		
ASGR1	●	●		

Target	Bioactive Antigen	B Cell Seed Library	Human/Rabbit Chimeric Antibody	Fully Humanized
ENPP3	●	●		
CXCR4	●	Immunization		
CXCR2	●	Immunization		
CD166	●	Immunization		
EGFP	●	Immunization		
RSPO3	●	Immunization		
PGLYRP1	●	Immunization		
GNRHR	●	Immunization		
CD147	●	Immunization		
CCR5	●	Immunization		
CD79B	●	Immunization		
IGF-1R	●	Immunization		
GPC1	●	Immunization		
CD6	●	Immunization		
IL1A	●	Immunization		
NCR1	●	Immunization		
LGALS3	●	Immunization		
SIGLEC9	●	Immunization		
CEACAM6	●	Immunization		
IFNB1	●	Immunization		
SLC2A4	●	Immunization		
AGTR1	●	Immunization		
CDH3	●	Immunization		
IL18BP	●	Immunization		
AREG	●	Immunization		
CCR7	●	Immunization		
LGR4	●	Immunization		
MMP14	●	Immunization		
RNASE4	●	Immunization		
CXCL10	●	Immunization		
IL23A&IL12B	●	Immunization		
CD14	●	Immunization		
ACVR1C	●	Immunization		
ACVRL1	●	Immunization		
BTC	●	Immunization		
CEACAM1	●	Immunization		
APLP2	●	Immunization		
GPR56	●	Immunization		
ALPP	●	Immunization		
CXADR	●	Immunization		
IL20RA	●	Immunization		
IL19	●	Immunization		
LAIR1	●	Immunization		
CD9	●	Immunization		
GAST	●	Immunization		



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