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Target Discovery & Validation

HD Biosciences Shanghai · San Diego · Cranbury

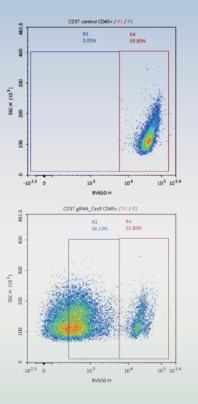
Together, We DeliverYour Biology-focused Drug Discovery Enabling Partner

HD Biosciences Co., Ltd.

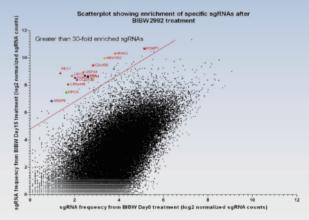
Target Discovery and Validation Propelled by CRISPR and Other New Technologies

- Library screen platform to support target discovery and mechanistic studies
- CRISPR based AGMTM (advanced gene manipulation) platform enables target gene manipulation in cell line, iPSC, and primary cells
- Diversified cell bank of around 1000 cancer lines as target cells
- Comprehensive functional and phenotypic assay solutions
- Wide choices of disease models

Genomic editing in primary immune cells enables target mechanistic exploration



Library screen to support new target discovery



Primary Immune cell type	Validation target	FACS based expression reduction	Sequencing based in del mutation
Mouse T cell	PD1	70%-80%	70%-80%
Human T cell	CD45	70%-80%	80%-90%
Human monocyte	CD45	70%-80%	70%-80%
Human DC	Target A	50%	60%-70%
Human M1	Target A	50%	60%-70%
Human M2	Target A	60%	80%-90%

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