
Fusion BioLabs Ready-to-Use Mouse Synthetic Fab Phage Display Library Information

SKU# ADL-08: Ready-to-Use Mouse Synthetic Fab Phage Display Library Kit

Format: Fab with HA Tag and 6xHis Tag (OmpA leader sequence-V_k-C_k : pelB leader sequence-VH-CH1 (mouse IgG1)- HA tag-6xHis tag)

Diversity: 3.2×10^{10}

The diversity and in-frame of the library was checked by NGS.

The mouse synthetic Fab Library was constructed by saturation mutation of all 6 CDRs (3 HCDRs and 3 LCDRs) and their CDR combination.

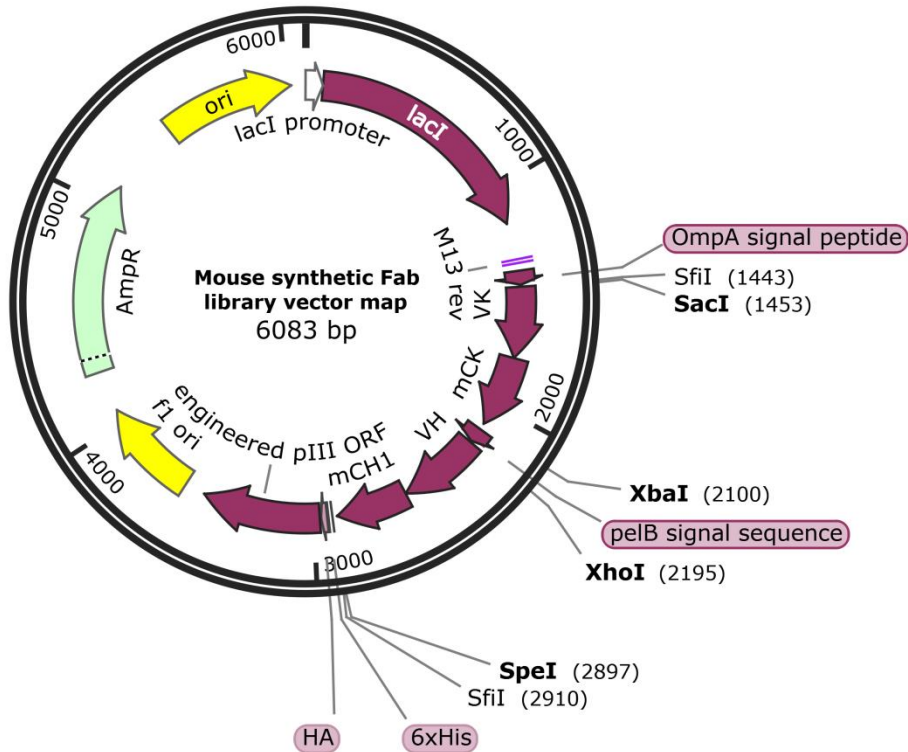
VH Gene Family: IGHV7

VL Gene Family: IGKV12

Kit contents

The following components are included in the Kit.

Component	Quantity	Composition
Mouse Synthetic Fab Library (ready-to-panning phage; 3.2×10^{12} pfu/ml)	1.0 ml	1×PBS with 50% glycerol
M13KO7 Helper Phage (2×10^{12} pfu/ml)	0.5 ml	1×PBS with 50% glycerol
Chemically Competent TG1 E. coli	0.5 ml	2×YT with 25% Glycerol
M13 Reverse Primer (1.6 μM)	0.2 ml	1×TE Buffer
pIII Reverse Primer (1.6 μM)	0.2 ml	1×TE Buffer



Comments for Fusion BioLabs Vector

Mouse Synthetic Fab Library (one clone)

lac I promoter: bases 5-82
lac I ORF: bases 83-1165
M13 Reverse priming site: bases 1331-1347
OmpA leader sequence: bases 1383-1445
pelB leader sequence: bases 2129-2194
Polyhistidine (6xHis) site: bases 2918-2935
HA Hemagglutinin A (HA) epitope: bases 2942-2968
Amber stop codon: bases 2972-2974
pIII engineered ORF: 2975-3508
pIII Reverse priming site: 3006-3022
f1 origin: bases 3601-4056
Ampicillin resistance ORF: bases 4243-5103
pUC origin: bases 5435-6023