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

SKU# ADL-06: Ready-to-Use Mouse Naïve Fab Phage Display Library Kit

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

Diversity: 2.1×10^{10}

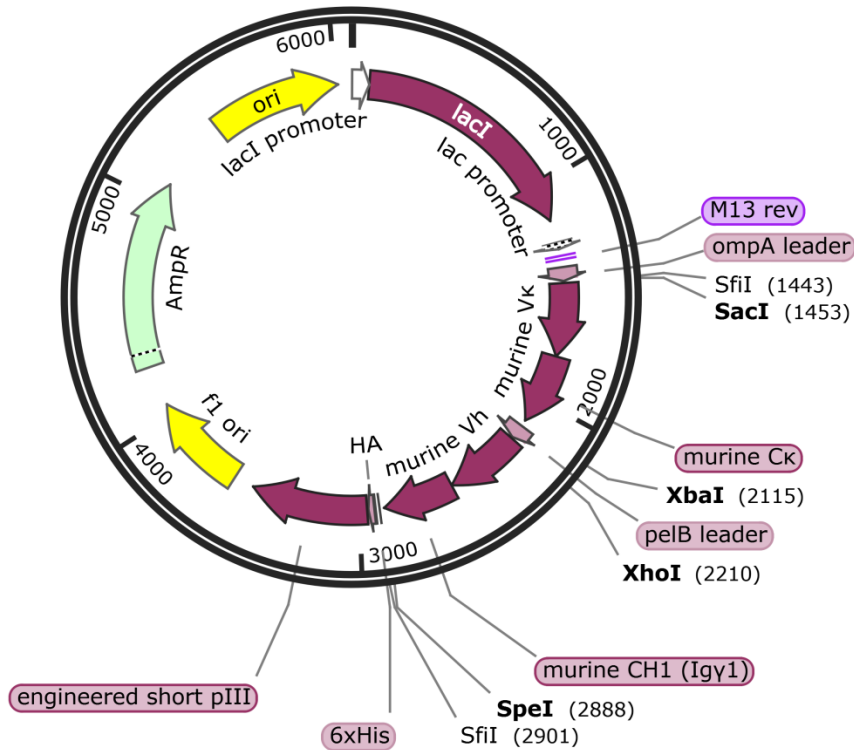
The diversity and in-frame of the library was checked by NGS.

The mouse Naïve Fab Library was constructed from 6 spleens of BALB/c female mice (6-8 weeks old).

Kit contents

The following components are included in the Kit.

Component	Quantity	Composition
Mouse Naïve Fab Library (ready-to-panning phage; 2.1×10^{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 μ M)	0.2 ml	1×TE Buffer
pIII Reverse Primer (1.6 μ M)	0.2 ml	1×TE Buffer



Murine naïve Fab phage display library vector map
6074 bp

Comments for Fusion BioLabs Vector

Mouse Naïve Fab (one typical 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
Polyhistidine (6xHis) site: bases 2909-2926
HA Hemagglutinin A (HA) epitope: bases 2933-2959
Amber stop codon: bases 2963-2965
pIII engineered ORF: 2966-3499
pIII Reverse priming site: 2997-3013
f1 origin: bases 3592-4047
Ampicillin resistance ORF: bases 4234-5094
pUC origin: bases 5426-6014