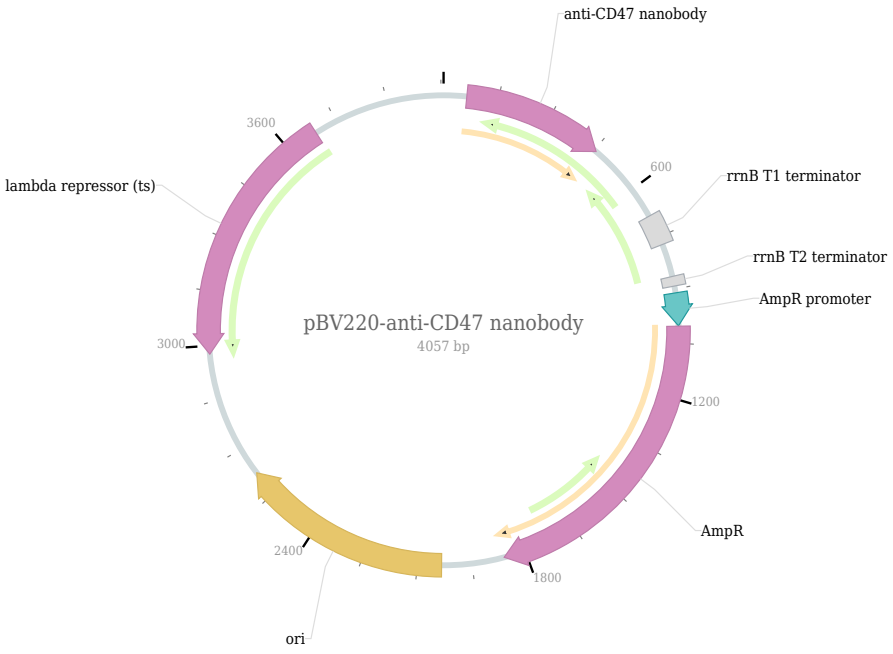
pBV220-anti-CD47 nanobody

Vector ID	V014075
Antibiotic Resistance	Ampicillin
Length	4057 bp
Vector Type	Protein expression, Antibody expression
Host	E. coli

Product Information

Replication Origin	ori
Promoter	PL,PR
Growth Strain(s)	Stbl3
Growth Temperature	30℃
Comment	Engineered E. coliwith Fe_3O_4 nanoparticles are magnetically manipulated to lyse in tumors via heat-sensitive promoters, releasing an anti-CD47 nanobody. This activates immune responses against primary and distal tumors.

Vector Map



Plasmid Resuspension Protocol

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add sterile water to dissolve the DNA: add 20 µl for 5 µg plasmid, and 100 µl for 100 µg plasmid.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom. Speed is less than 5000×g.
5. Store the plasmid at -20 ℃.