

## Cloning Vectors

### IgG Production



**Antibody Generation** **pFUSE-CLIg** and **pFUSE-CHlg** plasmids are designed to change a monoclonal antibody from one isotype to another human or murine IgG isotype.

**pFUSE-Fc** is a family of plasmids developed to facilitate the construction of Fc-Fusion proteins by fusing a sequence encoding a given protein to the Fc region of an immunoglobulin.

### Rodent Transgenesis - pBROAD and pWHERE Optimized Vector for Mouse and Rat Transgenesis



**pBROAD** plasmids were designed for the expression of your favorite gene in virtually all tissues of new transgenic mice and rats.

**pWHERE** was specifically designed for the determination of temporal expression and tissue distribution of your promoter of interest in transgenic mice and rats.

### In vitro & in vivo Expression

Cloning and expression of gene of interest



**pMONO Single Expression Cassette / One Gene of Interest** : strong and constitutive expression in a wide variety of cell lines.

**pSELECT Dual Expression Cassette / One Gene of Interest** : expression at high levels in a large number of cell types.

**pVITRO Expression of Two Genes of Interest in vitro** : ubiquitous and constitutive co-expression of two genes of interest.

**pVIVO Expression of Two Genes of Interest in vivo** : strong and sustained co-expression of two genes in tissues and organs.

### DNA Vaccination - pVAC and pBOOST

Plasmids Specifically Designed to stimulate the immune system



**pVAC** is a DNA vaccine plasmid specifically designed to stimulate a humoral immune response by intramuscular injection.

**pBOOST** plasmids were developed as genetic adjuvants for DNA vaccines to potentiate the immune response to a specific antigen.

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