

The logo for Medicilon, featuring the word "MEDICILON" in a white, sans-serif font inside a white oval.

MEDICILON

The logo for EDI ILO, featuring the text "EDI ILO" in a white, sans-serif font next to a small white square.

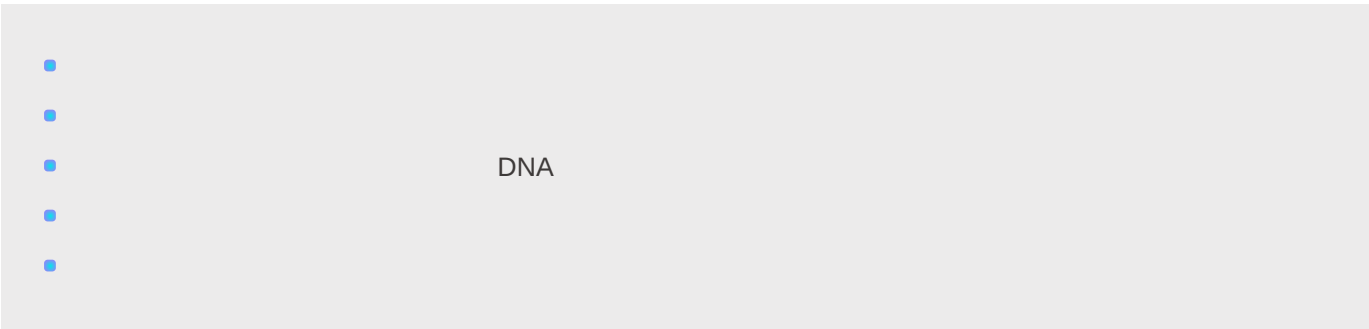
EDI ILO

美迪西mRNA肿瘤疫苗研发服务平台



mRNA

mRNA



mRNA mRNA mRNA mRNA mRNA

Short research and development cycle

Induce stronger immune responses

Rapid production

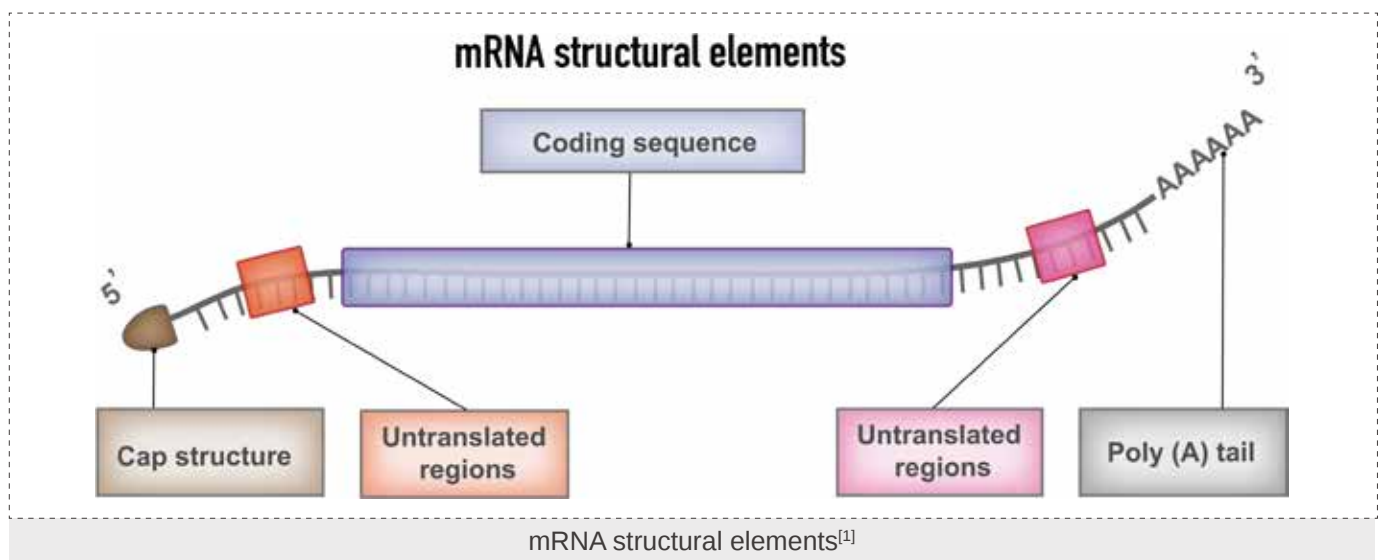
The advantages of mRNA vaccines in the context of cancer therapy^[3]

mRNA

-
- mRNA
-
-

mRNA

mRNA 5' (ORF) (UTR) poly(A) 3' mRNA (UTR) mRNA



mRNA

mRNA

- 5' 5'Cap) (m7GpppG) mRNA 5' mRNA
- 5'-UTR 3'-UTR 5'-UTR 3'-UTR mRNA
- (ORF) mRNA
- Poly(A) tail Poly(A) tail 5' cap mRNA
- mRNA

- TLR TLR4 MPLA TLR7 Imiquimod
- STING
- TriMix CD40 CD70 TLR4 mRNA
- (GM-CSF)
- mRNA

mRNA

:

- (LNP) mRNA
- mRNA RNase
- mRNA LNPs mRNA
- (PEI) I- (PLL) (PAMAM) β - (PBAE)
- mRNA (CPPs)
- mRNA TLR7/8
- mRNA / α

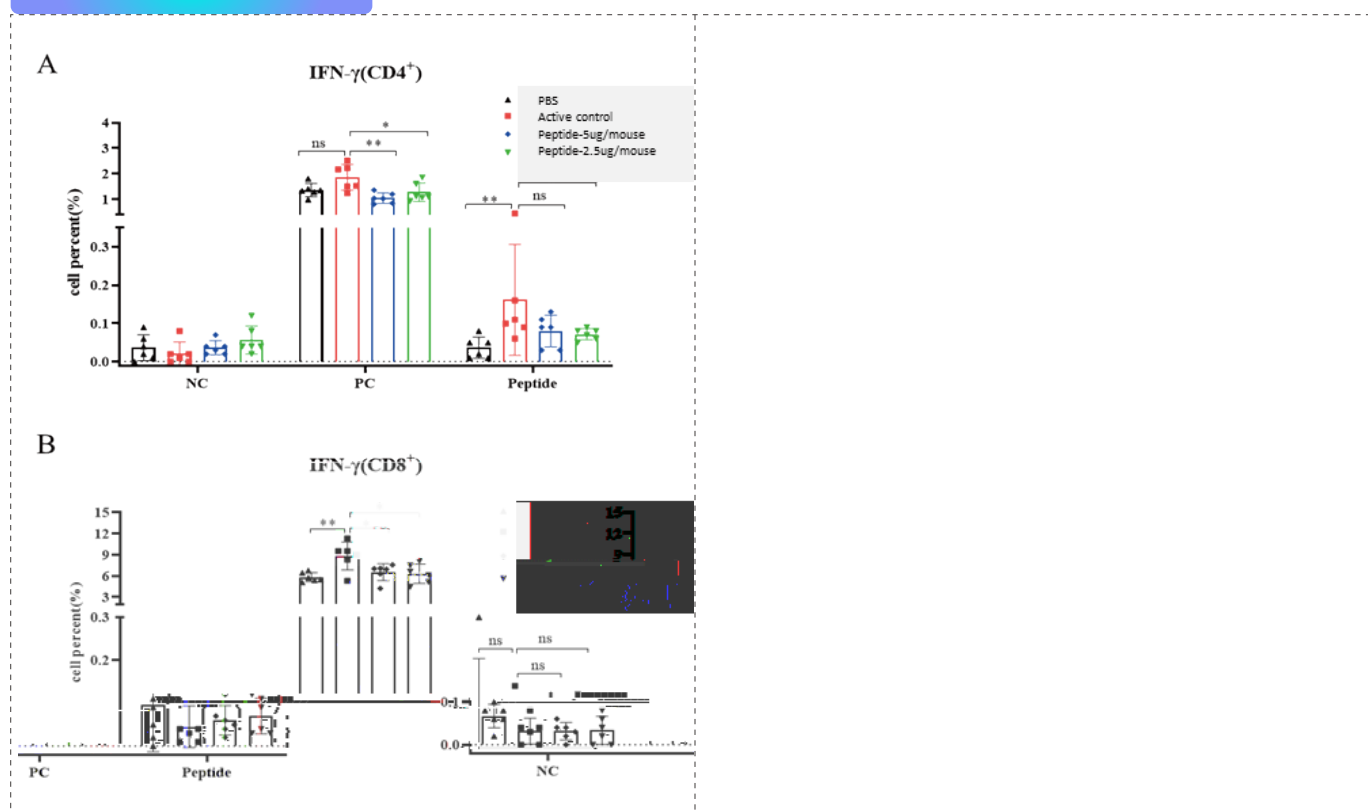
pH

pH

mRNA

	PDI	Zeta
Control	1.05	-1.2
100 mg/kg	1.05	-1.2
200 mg/kg	1.05	-1.2
400 mg/kg	1.05	-1.2
800 mg/kg	1.05	-1.2

FACS



Mice were immunized by PBS, active control or peptides. And peptide stimulated spleen cells to detect IL-2/INF- γ in CD4/CD8 cells by flow cytometry.

mRNA

mRNA

TSA

TSA

T

PBMC

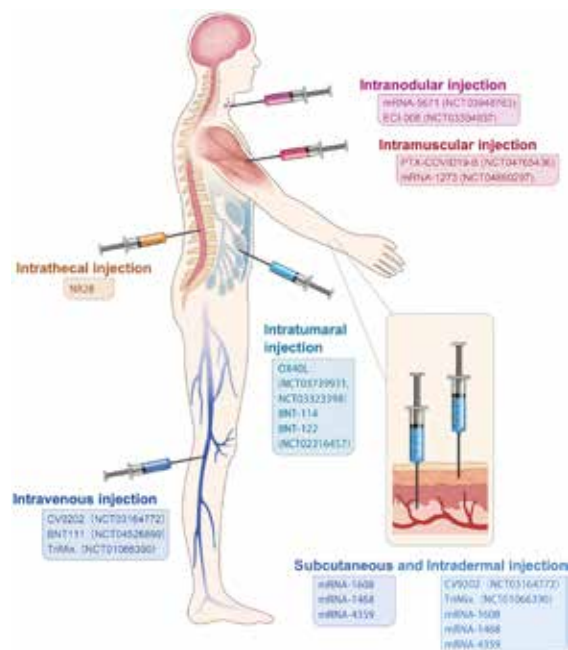
TAA

PBMC

TSA

mRNA

mRNA



RNA

mRNA
α1 α2 GLP

mRNA

	0	10	10	5	5
		10	10	5	5
		10	10	5	5

Parameters evaluated: cage-side observation, clinical observation, injection site reaction, body weight, food consumption, ophthalmology exam, serum biochemistry, hematology, coagulation, lymphocyte phenotyping, urinalysis, immunogenicity, C-reactive protein, α1-acid glycoprotein, α2-macroglobulin, immunoglobulin, cytokines, complements, bone marrow smear, and histopathology.



mRNA