

CpG-ODN 免疫佐剂

纯度>95%

稳定性极佳

批次一致性

内毒素水平<5 EU/mg



CPG ODN (CpG oligonucleotide, CpG寡脱氧核苷酸)是人工合成的含有非甲基化的胞嘧啶鸟嘌呤二核苷酸(CpG)的寡脱氧核苷酸(ODN),可模拟细菌DNA刺激多种哺乳动物包括人的免疫细胞。它能直接激活B细胞和单核细胞(巨噬细胞和树突状细胞),间接激活NK细胞和T细胞等多种免疫效应细胞,增强其功能和细胞因子的分泌,增强抗原的加工、提呈,诱导Th1型免疫应答,产生较强的体液免疫和细胞免疫,增强特异性和非特异性免疫反应。

不同类型的CpG ODN的结构特征与免疫效应各有不同,泓迅生物能够提供多种属的三种类型的CpG ODN。

类型	结构特征	免疫效应	应用场景
A类(D型)	混合磷酸骨架+回文序列+Poly G尾	强力诱导pDC分泌IFN- α	抗病毒、肿瘤微环境调控
B类(K型)	全硫代修饰+多CpG重复	激活B细胞,诱导IgM与IL-6	亚单位疫苗、慢病疫苗
C类	硫代骨架+中央回文序列	同时激活pDC和B细胞	复杂感染或免疫抑制人群

CpG-ODN免疫佐剂现货供应

* 可定制化合成, 规格可选择, 1mg起

现货名称	(建议)物种
CpG ODN 1585	Mouse
CpG ODN 2216	Human Preferred
CpG ODN 2336	Human Preferred
CpG ODN 1668	Mouse
CpG ODN 1826	Mouse
CpG ODN 2006/7909	Human Preferred
CpG ODN 2007	Bovine/Porcine
CpG ODN BW006/684	Human & Mouse
CpG ODN D-SL01	Multispecies
CpG ODN 2395	Human/Mouse
CpG ODN M362	Human/Mouse
CpG ODN D-SL03	Multispecies

现货名称	(建议)物种
CpG ODN 10101	Human & Mouse
CpG ODN IMT504	Human & Mouse
CpG ODN 1982	Human & Mouse
CpG ODN 2088	Human & Mouse
CpG ODN 21158	Human & Mouse
CpG ODN 4084-F	Human & Mouse
CpG ODN 5328	Human & Mouse
CpG ODN BW001	Human & Mouse
CpG ODN INH-1	Human & Mouse
CpG ODN M326	Human & Mouse
CpG ODN TTAGGG	Human & Mouse

近期合作发表文献 (部分示例)

1. Huang L, Chen F, Zhou F, et al. Self-Cooperative RNA Vaccine Mitigates Dendritic Cell-Mediated Acquired Immune Resistance to Potentiate Cell Therapy for Solid Tumors. *Adv Mater.* 2026 Aug;38(46):e18422.
2. Liao W, Song L, Xu M, et al. CD9+ B Cells Induce T Follicular Helper Cell Apoptosis to Regulate Germinal Center Regression[J]. *Advanced Science*, 2026: e02144.
3. Chen F, Zhang H, Li S, et al. Engineering STING Nanoadjuvants for spatiotemporally-tailored innate immunity stimulation and cancer vaccination therapy. *Nat Commun.* 2025 Jul 1;16(1):5773.
4. Chen F, Ren S, Huang L, et al. Ultrasound-Activatable Lipid Nanoplatfrom for Region-Confined Innate Immune Stimulation and mRNA Vaccination Therapy of Cancer. *J Am Chem Soc.* 2025 Nov 19;147(46):42221-42236.
5. Fangmin Chen, Huijuan Zhang, Shiqin Li, et al. Polypeptide sono-adjuvant for ultrasound-activatable regulation of innate immunity and cancer vaccination therapy. *Nature Communications*, 2025, 17(1), 272.

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