

Biotin-labeled ODN 2216 sodium

Cat. No.:	HY-150741A
Target:	Toll-like Receptor (TLR)
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Biotin-labeled ODN 2216

BIOLOGICAL ACTIVITY

Description

Biotin-labeled ODN 2216 (sodium) is a human-specific TLR9 (toll-like receptor 9) ligand or agonist. Biotin-labeled ODN 2216 (sodium) can be used to evaluate CpG ODN cellular uptake and localization using a biotin detection system and light microscopy.

REFERENCES

- [1]. He Y, et al. Hepatic mitochondrial DNA/Toll-like receptor 9/MicroRNA-223 forms a negative feedback loop to limit neutrophil overactivation and acetaminophen hepatotoxicity in mice. *Hepatology*. 2017 Jul;66(1):220-234.
- [2]. Huang L, et al. CpG-based immunotherapy impairs antitumor activity of BRAF inhibitors in a B-cell-dependent manner. *Oncogene*. 2017 Jul 13;36(28):4081-4086.
- [3]. Krug A, et al. Identification of CpG oligonucleotide sequences with high induction of IFN-alpha/beta in plasmacytoid dendritic cells. *Eur J Immunol*. 2001 Jul;31(7):2154-63.
- [4]. Li Y, et al. A novel antagonist of TLR9 blocking all classes of immunostimulatory CpG-ODNs. *Vaccine*. 2011 Mar 3;29(11):2193-8.
- [5]. Okada T, et al. Murine thymic plasmacytoid dendritic cells. *Eur J Immunol*. 2003 Apr;33(4):1012-9.

Caution: Product has not been fully validated for medical applications. For research use only.

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