ALPHA DIAGNOSTIC INTERNATIONAL

Product Data Sheet

Cat#: AP-329-U
Cat#: AP-329-B, Biotin labeled
Cat#: AP-329-F, FITC labeled

Product Description: Protective Antigen (PA) of Bacillus anthracis (MMS_128)

Aptamer Type: Peptide

Sequence: NWLCFTCGMDFIDPD; 15-mer

Size 5 mg

Mol. Wt: 1967.27 g/mole

Purity: >95%

Affinity: 19.1 nM (reported value)

Comments: 71.6% Binding to 150 nM PA. The clone with the highest binding percentage was MMS_128 at 89.8% (Kd=54.9 nM).

Notes: A consensus motif WXCFTC was found using the MMS and was also found in one of the PA binders isolated by the conventional MACS/FACS approach.

References: Kogot et al. "Screening of Peptide Libraries against Protective Antigen of Bacillus anthracis in a Disposable Microfluidic Cartridge." PloS One, 6(11): e26925. doi:10.1371/journal.pone.0026925

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