ALPHA DIAGNOSTIC INTERNATIONAL

Product Data Sheet

Cat#: AP-305-U
Cat#: AP-305-B, Biotin labeled
Cat#: AP-305-F, FITC labeled

Product Description: Breast Cancer Cells (a-peptide 18)

Aptamer Type: Peptide

Sequence: WXEAAYQRFL; 10-mer

Size 1 mg

Mol. Wt: 1183.3 g/mole

Purity: >95%

Affinity: n/a

Comments: n/a

Notes: 10-mer α-peptide with a replacement of two or three amino acids in the sequence of 18 with d-residues or β(3)-amino acids. Such replacement maintained the specificity for cancer cells (MDA-MB-435, MDA-MB-231, and MCF-7) with low affinity for control noncancerous cells (MCF-10A and HUVEC), showed an increase in secondary structure, and rendered the analogues completely stable to human serum and liver homogenate from mice.

References: Soudy et al. "Proteolytically Stable Cancer Targeting Peptides with High Affinity for Breast Cancer Cells." Journal of Medicinal Chemistry, 54(2011): 7523-7534

150813V

Alpha Diagnostic Intl Inc., 6203 Woodlake Center Dr, San Antonio, TX 78244, USA; **Email**: service@4adi.com
☎ (800) 786-5777; (210) 561-9515; **Fax**: (210) 561-9544; **Web Site**: www.4adi.com