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TECHNICALLY *Speaking*

Place your order with CEDARLANE® or your local distributor.

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Avidin

CLPRO500
CLPRO500-2
Lot:

Description: Avidin is a glycosylated polypeptide chain having a molecular mass of 68kDa and containing 4 subunits each with a binding site for biotin. Avidin is purified by affinity chromatographic techniques. The purification procedure ensures minimal contamination by other proteins or DNA. The resulting high activity and purity of the product gives very low non-specific binding (NSB).

Format: 10mg (CLPRO500) or 40mg (CLPRO500-2) sterile filtered lyophilized powder.

Solubility: Avidin although stable at 4°C for 3 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Please avoid freeze-thaw cycles.

Application: Avidin may be used to visualize biotin conjugated molecules in ELISA, blotting and histological techniques.

Activity: Greater than 11 U/mg, 1 unit binds 1µg biotin.

Endotoxin: Less than 0.1 ng/µg (IEU/µg) of Avidin.

References:

1. Avidin-biotin system pretargeting radioimmunoimaging and radioimmunotherapy and its application in mouse model of human colon carcinoma. World J Gastroenterol 2005 Oct 28;11(40):6288-94
2. Avidin, a potential biopesticide and synergist to Bacillus thuringiensis toxins against field crop insects. J Econ Entomol 2005 Oct;98(5):1566-71
3. Mediastinal node and diaphragmatic targeting after intracavitary injection of avidin/99mTc-blue-biotin-liposome system. J Pharm Sci 2006 Jan;95(1):207-24
4. Nucleic acid intercalators and avidin probes derived from luminescent cyclometalated iridium(III)-dipyridoquinoxaline and -dipyridophenazine complexes. Chemistry 2006 Feb 1;12(5):1500-12
5. [Development of an antigen detection dot blot assay for the diagnosis of human onchocerciasis based on the biotin-avidin binding system] Bull Soc Pathol Exot 2005 Sep;98(3):177-81
6. Avidin related protein 2 shows unique structural and functional features among the avidin protein family. BMC Biotechnol 2005 Oct 7;5:28

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TN 04/11/06

For more information or to place an order please contact...

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