

SibTech, Inc.

Inactivated scVEGF-PEG-NOTA

Product #SBT336-IN

Inactivated scVEGF-PEG-NOTA is functionally inactive derivative of scVEGF-PEG-NOTA (SibTech product #SBT336). It can be radiolabeled with imaging and therapeutic radionuclides through the same procedure as scVEGF-PEG-NOTA.

Inactivation: For inactivation, ϵ -amino group of 12-14 lysine residues in a scVEGF-PEG-NOTA are derivatized with NHS-biotin. The resulting protein is purified by gel-filtration and lyophilized.

Functional activity: The loss of VEGF functional activity is tested *in vitro* using 293/KDR human transformed embryonic kidney cells expressing 2.5×10^6 VEGFR-2/cell (SibTech product #SBT021.293). Inactivated scVEGF-PEG-NOTA displays no VEGF activity.

Intended field of use: Radiolabeled inactivated scVEGF-PEG-NOTA can be used as a control protein for non-specific (non-receptor mediated) binding/uptake of radiolabeled scVEGF-PEG-NOTA.

One vial contains 0.2 mg of essentially salt-free lyophilized inactivated scVEGF-PEG-NOTA

Reconstitution: To insure full recovery, centrifuge the vial briefly before opening. Reconstitute in 0.2 ml of a buffer of your choice, to a final concentration of 1 mg/ml. We do not recommend using less than 0.2 ml for reconstitution.

Stability: Lyophilized inactivated scVEGF-PEG-NOTA is stable for 1 year at -20°C . After reconstitution, it is stable for at least 6 months, if stored at -20°C or below. Multiple thawing-freezing should be avoided.

Safety warnings: For research use only. Not for human use. Not recommended or intended for diagnosis in humans or animals. As all chemicals should be considered as potentially hazardous, it is advisable to wear suitable protective clothing, such as laboratory overalls, safety glasses and gloves. Care should be taken to avoid contact with skin or eyes. In case of contact with skin or eyes, wash immediately with water.