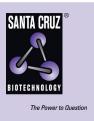
SANTA CRUZ BIOTECHNOLOGY, INC.

Exendin 4 (ABS 012-23): sc-57120



BACKGROUND

Exendin 4 is a 39 amino acid peptide produced exclusively by the salivary glands of the Gila monster, *Heloderma suspectum*. It acts as an agonist of the glucagon-like peptide (GLP) receptor that has anorexigenic and fat-reducing properties. Plasma levels of Exendin 4 increase in response to feeding, as it is released from the salivary glands in response to mechanical stimulation. Exendin 4 possesses anti-apoptotic and β cell proliferative properties, and induces the phosphorylation of Raf-1 and extracellular-signal-regulated kinase (ERK) as well as the level of phosphorylated cAMP response element-binding protein (CREB) and the cyclin D1 gene. Exendin 4 has prolonged glucose-lowering action that may contribute to its antidiabetic effect in several animal models of type 2 diabetes.

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STORAGE

Store at 4° C, **D0 NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

SOURCE

Exendin 4 (ABS 012-23) is a mouse monoclonal antibody raised against carrier coupled Exendin 4 of *Heloderma suspectum* origin.

PRODUCT

Each vial contains 100 $\mu g~lgG_1$ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Exendin 4 (ABS 012-23) is recommended for detection of Exendin 4 of *Heloderma suspectum* origin by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with human GLP1, GLP2 or glucagon.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.