

# 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  $\beta$  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.

## REFERENCES

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## STORAGE

Store at 4° C, **\*\*DO 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 IgG<sub>1</sub> 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](http://www.scbt.com) for detailed protocols and support products.