
Exendin-4 (23) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250222

Unit: 0.1 mg

Description:

Exendin-4 is a 39-amino-acid peptide found in venom from the Gila monster *Heloderma suspectum*. It is a member of the glucagon-secretin family of peptide hormones and neuropeptides. Exendin-4 is a potent agonist of the GLP-1 receptor and hence a potent stimulator of insulin secretion. This antibody is specific for exendin-4 with no cross-reactivity with GLP-1, GLP-2 (human) or glucagon coated on ELISA wells.

Isotype: Mouse IgG1/k

Applications: E

Species Reactivity: H

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-A/G affinity chromatography.

Alternate Names: Exenatide

Accession No.: P26349

Antigen: Synthetic exendin-4 coupled to carrier and adsorbed onto aluminum hydroxide gel

Application Notes: Product Cat. No. 250222 binds to exendin-4 when coated in ELISA wells and reacts specifically with exendin-4 in solution giving a K_a of 7.0×10^8 in an inhibition ELISA. The binding between Product Cat. No. 250222 and exendin-4 is disrupted by 0.1 M glycine pH 3. Product Cat. No. 250222 (as biotinylated detection antibody) forms a sandwich ELISA pair with Product Cat. No. 250244 (as capture antibody) for measuring exendin-4, giving a detection limit of 10 pmol/l in an unoptimized buffer assay. E: 1:500

Storage: Store at 4°C. Product is guaranteed 6 months from the date of shipment.

Product Citations: Vassiliev I et al. 2013. Herbert Open Access Journals. Stem Cell Biology and Research

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