
GLP-1 (A2) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250244

Unit: 0.2 mg

Description:

Glucagon-like peptide 1 (7-36)amide (GLP-1 (7-36)amide) is the principal active form of GLP-1, the other being GLP-1 (7-37). GLP-1 is a peptide hormone of the glucagon family, produced by the L cells of the intestinal mucosa from the same prohormone as glucagon. The active forms are potent stimulators of glucose-dependent insulin secretion. The sequence of GLP-1 is fully conserved in all mammalian species examined so far. This antibody binds the free N-terminus of GLP-1 (7-37) and GLP-1 (7-36)amide and shows <0.2% cross-reactivity with GLP-1 (9-36)amide, glucagon and human GIP. The antibody cross-reacts with Liraglutide, 0.25% with GLP-1 (1-37), approximately 6% with human GLP-2 and approximately 50% with exendin-4. This antibody can be used in a sandwich ELISA for exendin-4.

Isotype: Mouse IgG2a

Applications: E, WB

Species Reactivity: H

Format: Each vial contains 0.2 mg IgG in 0.2 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-A/G affinity chromatography.

Alternate Names: Glucagon-like peptide 1; GLP-1;

Glucagon; GCG; GLP1

Accession No.: P01275

Antigen: KLH-conjugated synthetic [Cys18]-GLP-1(7-17) adsorbed onto aluminum hydroxide gel

Application Notes: Product Cat. No. 250244 binds free GLP-1 (7-37) and free GLP-1 (7-36)amide in solution. Product Cat. No. 250244 reacts in ELISA with GLP-1 (7-37) coated directly onto the microtiter well. Product Cat. No. 250244 binds free exendin-4 in solution and can function as a capture antibody for exendin-4 in a sandwich ELISA format with Cat. No. 251100 as detection antibody. E: 1:20,000; WB: 1:1,000

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

For research use only, not for diagnostic or therapeutic procedures.