## GLP-1 (A4) Antibody

**Subcategory:** Mouse Monoclonal Antibody
**Cat. No.:** 251103
**Unit:** 0.2 mg

**Description:**
Glucagon-like peptide 1 (9-36)amide and GLP-1 (9-37) are processed forms of GLP-1 that results from the rapid degradation of the active forms of the peptide (GLP-1(7-36)amide and GLP-1(7-37)) by the enzyme dipeptidyl peptidase-IV (DPP-IV, CD26, adenosine deaminase binding protein). 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 to the free N-terminus of GLP-1(9-36)amide and GLP-1 (9-37).

**Isotype:** Mouse IgG1/k
**Applications:** E
**Species Reactivity:** H, M, R, Ml
**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; GLP-1(9-36)amide; GLP-1(9-37)
**Accession No.:** P01275

**Antigen:** Synthetic [Cys19]-GLP-1(9-18) coupled to carrier
**Application Notes:** Product Cat. No. 251103 binds to the free N-terminus of GLP-1 (9-36)amide and GLP-1 (9-37) in solution. The antibody binds to GLP-1(9-36)amide (1 ug/ml) coated directly onto the microtiter well. Product Cat. No. 251103 has a higher affinity for GLP-1 (9-36)amide than Cat. No. 251102 and does not work as well as capture antibody with product Cat. No. 251104 (biotinylated Cat. No. 250364) as detection antibody. Cross-reactivity of Cat. No. 251103 for GLP-1(7-36)amide is estimated at

**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.