

Rev04
Update: Oct,19,2022

DATASHEET

GLP1R Antibody, mAb, Mouse

Cat. No.: A01826

Overview

Specificity	The product is specific for human GLP1R.
Host Species	Mouse
Immunogen	a plasmid DNA encoding a full length of human GLP1R (Swiss prot: P43220)
Species Reactivity	human
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigator. The appropriate concentration may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

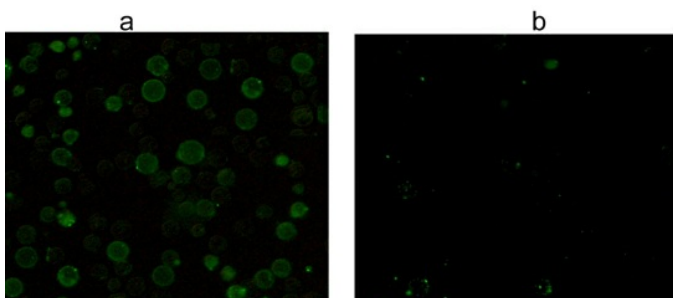
Application	Recommended Usage
Immunocytochemistry/Immunofluorescence (ICC/IF)	4 µg/ml
Flow Cytometry	1-5 µg/ml
ELISA	0.1 µg/ml

Properties

Form	Lyophilized
Storage Buffer	lyophilized with PBS, pH 7.4, containing 0.02% sodium azide
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/mL.
Storage Instructions	The lyophilized product remains stable up to 1 years at -20 °C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid repeated freezing and thawing cycles.

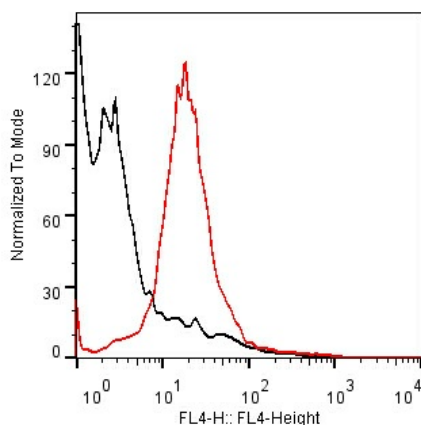
Purification	Protein A affinity column
Isotype	Mouse IgG1, κ
Clonality	Monoclonal
Clone ID	1F1E7
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples



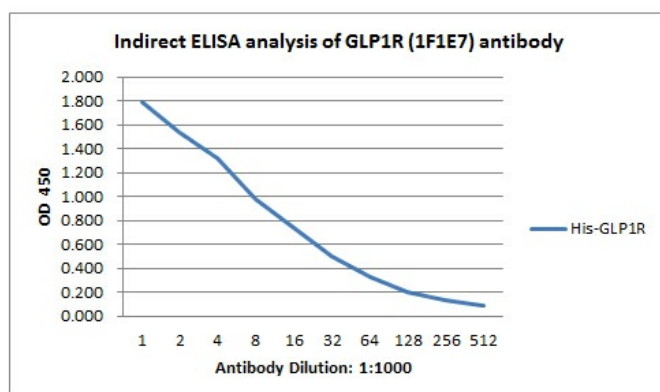
Immunocytochemistry/Immunofluorescence analysis of HEK293 cell transfected with GLP1R plasmid (a) and non-transfected HEK293 cells (b) using **GLP1R Antibody, mAb, Mouse (GenScript, A01826, 4 μ g/ml)**.

The signal was developed with iFluor488 conjugated Goat Anti-Mouse IgG.



Flow cytometric analysis of CHO-K1/GLP1/Ga15 stable cell expressing GLP1R (GenScript, M00451) and CHO negative control cell with **GLP1R Antibody, mAb, Mouse (GenScript, A01826, 2 μ g/ml)** (red and black respectively).

The signal was developed with iFluor647 conjugated Goat Anti-Mouse IgG.



Indirect ELISA analysis of Virus like particle (VLP) expressing GLP1R with **GLP1R Antibody, mAb, Mouse (GenScript, A01826)**.

Background

Target Background : GLP1R binds specifically the glucagon-like peptide-1 (GLP1) and has much lower affinity for related peptides such as the gastric inhibitory polypeptide and glucagon. GLP1R is known to be expressed in pancreatic beta cells. Activated GLP1R stimulates the adenylyl cyclase pathway which results in increased insulin synthesis and release of insulin. Consequently, GLP1R has been suggested as a potential target for the treatment of diabetes. GLP1R is also expressed in the brain where it is involved in the control of appetite. Furthermore, mice which over express GLP1R display improved memory and learning. GenScript GLP1R Antibody, mAb, Mouse is produced from a hybridoma resulting from fusion of SP2/0-Ag14 myeloma and B-lymphocytes obtained from a mouse immunized with a plasmid DNA encoding a full length of human GLP1R (Swiss prot: P43220).

Synonyms : GLP1R Antibody, mAb, Mouse

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.