

**Anti-LGR4 Monoclonal Antibody (MOUSE)**  
**LGR4 Antibody**  
**Catalog # ASR4197**

**Specification**

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**Anti-LGR4 Monoclonal Antibody (MOUSE) - Product Information**

Host	Mouse
Conjugate	Unconjugated
Target Species	Human
Reactivity	Chimpanzee, Human
Clonality	Monoclonal
Application	WB, IHC, E, I, LCI
Application Note	Anti-LGR4 antibody has been tested by ELISA and western blotting, and is suitable in immunohistochemistry. Expect a band approximately 102 kDa in size corresponding to LGR4 protein by western blotting in the appropriate cell lysate or extract. Specific conditions for reactivity should be optimized by the end user. Use formalin-fixed paraffin-embedded sections for immunohistochemistry. No pre-treatment of sample is required.
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	This LGR4 antibody was produced by repeated immunizations with a synthetic peptide corresponding to an internal region of human LGR4 protein. The hybridoma was produced by fusing BALB/c mouse splenocytes and mouse myeloma SP2/O cells using conventional technology.
Preservative	0.01% (w/v) Sodium Azide

**Anti-LGR4 Monoclonal Antibody (MOUSE) - Additional Information**

**Other Names**  
55366

**Purity**

Anti-LGR4 Antibody product was purified from concentrated tissue culture supernate by Protein A chromatography. This antibody is specific for human LGR4 protein. A BLAST analysis was used to suggest cross-reactivity with LGR4 from chimpanzee, orangutan and macaque based on 100% homology with the immunizing sequence. Cross-reactivity with LGR4 from other sources has not been determined.

**Storage Condition**

Store Anti-LGR4 Monoclonal Antibody at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge antibody if

not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

**Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

**Anti-LGR4 Monoclonal Antibody (MOUSE) - Protein Information**

**Anti-LGR4 Monoclonal Antibody (MOUSE) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-LGR4 Monoclonal Antibody (MOUSE) - Images**

**Anti-LGR4 Monoclonal Antibody (MOUSE) - Background**

LGR4, also known as leucine-rich repeat-containing G protein-coupled receptor 4, is a G protein-coupled receptors (GPCRs). GPCRs are membrane bound proteins that play key roles in a variety of physiologic functions. Members of the leucine-rich GPCR (LGR) family, such as GPR48, have multiple N-terminal leucine-rich repeats (LRRs) and a 7-transmembrane domain. LGR4 is an orphan GPCR reported to be expressed in steroidogenic tissues such as placenta, ovary, testis, adrenal, pancreas, prostate, and thyroid, as well as in spinal cord, stomach, heart, and kidney.