



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

# Anti-mGluR1/5 Antibody [S75-3]

Mouse Anti-Rat mGluR1/5 Monoclonal IgG2A  
Catalog No. SMC-419



Discovery through partnership | Excellence through quality

## Overview

---

### Product Name

mGluR1/5 Antibody

### Description

Mouse Anti-Rat mGluR1/5 Monoclonal IgG2A

### Species Reactivity

Human, Mouse, Rat

### Applications

WB, IHC, IP

### Antibody Dilution

WB (1:1000), IHC (1:1000), ICC/IF (1:1000); optimal dilutions for assays should be determined by the user.

### Host Species

Mouse

### Immunogen Species

Rat

### Immunogen

Fusion protein amino acids 824-1203 (cytoplasmic C-terminus) of rat mGluR5b

### Concentration

1 mg/ml

### Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

## Properties

---

---

**Storage Buffer**

PBS pH7.4, 50% glycerol, 0.09% sodium azide

---

**Storage Temperature**

-20°C

---

**Shipping Temperature**

Blue Ice or 4°C

---

**Purification**

Protein G Purified

---

**Clonality**

Monoclonal

---

**Clone Number**

S75-3

---

**Isotype**

IgG2a

---

**Specificity**

Detects ~130kDa (both mGluR1 and mGluR5).

---

**Cite This Product**

Mouse Anti-Rat mGluR5 Monoclonal, Clone S75-3 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-419)

---

**Certificate Of Analysis**

1 µg/ml of SMC-419 was sufficient for detection of mGluR1/5 glutamate receptor in 20 µg of rat brain membrane lysate and assayed by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.

---

---

**Biological Description**

---

**Alternative Names**

mGluR Antibody, metabotropic glutamate receptor 5 Antibody, metabotropic glutamate receptor 1 Antibody, mGlu5 Antibody, mGlu1 Antibody, mGluR5 Antibody, mGluR1 Antibody, GPRC1E Antibody, GRM5 Antibody, Metabotropic glutamate receptor 5 variant F Antibody, Metabotropic glutamate receptor 5 variant G Antibody, Metabotropic glutamate receptor 5 variant H Antibody, Glutamate receptor metabotropic 5 Antibody

---

## Research Areas

Cancer, Cell Signaling, Glutamate Receptors, Metabotropic Glutamate Receptors (mGluR), Neuroscience, Neurotransmitter Receptors

## Cellular Localization

Cell membrane

## Accession Number

NP\_058708.1

## Gene ID

24418

## Swiss Prot

P31424

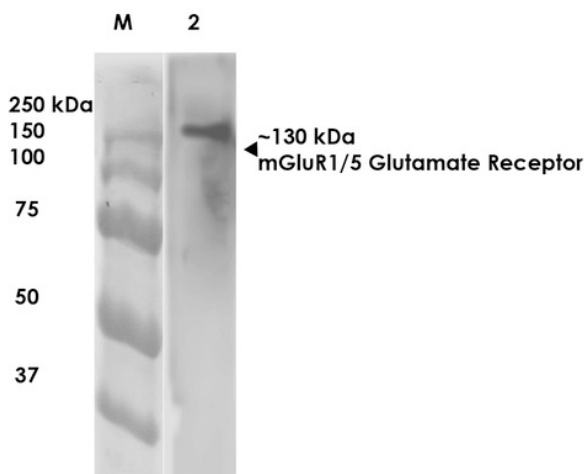
## Scientific Background

The AMPA receptor is a non-NMDA-type ionotropic transmembrane receptor for glutamate that mediates fast synaptic transmission in the CNS. AMPARs are composed of four types of subunits, designated as GluR1, GluR2, GluR3 and GluR4, which combine to form tetramers (1, 2).

## References

1. Mayer M.L. (2005) Current Opinion in Neurobio. 15(3): 282-288.
2. Keinane K., et al. (1990) Science. 249: 556-560.

## Product Images



Western Blot analysis of Rat Brain Membrane showing detection of ~130 kDa mGluR5 protein using Mouse Anti-mGluR5 Monoclonal Antibody, Clone S75-33 (SMC-419). Lane 1: MW Ladder. Lane 2: Rat Brain Membrane (10  $\mu$ g). . Load: 10  $\mu$ g. Block: 5% milk. Primary Antibody: Mouse Anti-mGluR5 Monoclonal Antibody (SMC-419) at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:200 for 1 hour at RT. Color Development: TMB solution for 10 min at RT. Predicted/Observed Size: ~130 kDa.

## Product Citations (0)

---

Currently there are no citations for this product.

## Reviews

---

There are no reviews yet.