



# 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

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## Anti-Migis-alpha [29C11] Standard Size Ab02045-10.0

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Kappa

**Clone Number:** 29C11

**Alternative Name(s) of Target:** Migis- $\alpha$ ; mlgA isotype-specific extracellular peptide; extracellular membrane proximal domain of mlgA  $\alpha$  chain

**UniProt Accession Number of Target Protein:**

**Published Application(s):** ELISA, IP

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated by immunizing BALB/c mice with a mouse/human chimeric migis- $\alpha$ L-containing protein.

**Specificity:** This antibody binds the extracellular peptide called the Migis- $\alpha$  consisting of 26-32 amino acids towards the N-terminal of the human membrane bound IgA, when the lipid rafts are disrupted.

**Application Notes:** Membrane bound IgA is associated with Ig $\alpha$ /Ig $\beta$  as the B cell receptor (BCR) complex on mlgA-expressing B cells. The  $\alpha$  chain of mlgA (m $\alpha$ ) contains an extracellular domain that is reported to be an antigenic site suitable for isotype-specific targeting of mlgA-expressing B cells by antibodies. The mAb binds strongly to synthetic peptides of migis- $\alpha$  and to various recombinant proteins containing migis- $\alpha$  as revealed by ELISA. Flow cytometric analysis with B cells suggested that the mAb did not bind strongly to mlgA and required a higher concentration for detection. Immunoprecipitation analysis of these mAbs indicated that mlgA could only be pulled down by 29C11 when mlgA-expressing B cells were solubilized by strong detergents, such as sodium dodecyl sulfate (SDS) or when lipid rafts are disrupted (PMID: 21723611).

**Antibody First Published in:** Hung et al. Lipid rafts hinder binding of antibodies to the extracellular segment of the membrane-anchor peptide of mlgA. Molecular Immunology (2011) Sep ;48 (15-16):1975-82. [PMID:21723611](#)

**Note on publication:** Describes the generation and characterization of this antibody.

### Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:**

PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.