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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Migis-alpha [29C11] Standard Size Ab02045-23.0

This chimeric rabbit 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: Rabbit IgG, Kappa

Clone Number: 29C11

Alternative Name(s) of Target: Migis- α ; mIgA isotype-specific extracellular peptide; extracellular membrane proximal domain of mIgA α 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- α L-containing protein.

Specificity: This antibody binds the extracellular peptide called the Migis- α 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 α /Ig β as the B cell receptor (BCR) complex on mIgA-expressing B cells. The α chain of mIgA (m α) contains an extracellular domain that is reported to be an antigenic site suitable for isotype-specific targeting of mIgA-expressing B cells by antibodies. The mAb binds strongly to synthetic peptides of migis- α and to various recombinant proteins containing migis- α as revealed by ELISA. Flow cytometric analysis with B cells suggested that the mAb did not bind strongly to mIgA and required a higher concentration for detection. Immunoprecipitation analysis of these mAbs indicated that mIgA could only be pulled down by 29C11 when mIgA-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 mIgA. 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.