

Anti-Gliadin [1E01] Standard Size Ab02077-23.0

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

Isotype and Format: Rabbit IgG, Lambda

Clone Number: 1E01

Alternative Name(s) of Target: gluten; Celiac Allergen; Coeliac Allergen

UniProt Accession Number of Target Protein:

Published Application(s): AlphaLISA, ELISA, FC

Published Species Reactivity: barley, rye, spelt, triticale, Wheat

Immunogen: The original antibody was isolated from the IgA+ plasma cells of celiac patients gut lesions that are reactive with deaminated gluten proteins.

Specificity: This antibody can recognize and bind the 'QPEQFP' peptide of gliadins.

Application Notes: The binding specificity of IgA+ plasma cells in the single cell suspension was determined by flow cytometry. The relative affinity of the antibody to a panel of gliadin was investigated using ELISA and AlphaLISA (PMID: 27146306, WO2015164615). This antibody recognizes a sequence that intimately associates with deamidation of the gluten peptide. (PMID:28878138).

Antibody First Published in: Dorum et al. Gluten-specific antibodies of celiac disease gut plasma cells recognize long proteolytic fragments that typically harbor T-cell epitopes. Sci Rep. (2016); 6: 25565.

[PMID:27146306](#)

Note on publication: Describes the generation and epitope 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.