

## DGP IgG/IgA elisa kit

DGP IgG/IgA ELISA

CATALOG #  
**AAA72571**

### PRODUCT SYNONYMS

DGP IgG/IgA; DGP IgG/IgA ELISA; IgA and IgG antibodies against deamidated Gliadin-specific peptides (DGP); DGP IgG/IgA elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Specificity             | The microplates are coated with synthetic, deamidated gliadin-derived peptides. No cross reactivity with other autoantibodies have been found. |
| Samples                 | Human serum                                                                                                                                    |
| Sensitivity             | 1.0 U/ml                                                                                                                                       |
| Preparation and Storage | Store at 2-8 degree C                                                                                                                          |

### ADDITIONAL INFORMATION

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| Related Product Information for DGP IgG/IgA elisa kit | <p>Intended Uses: This DGP-Check ELISA is a solid phase enzyme immunoassay employing synthetic, deamidated gliadin-derived peptides for the separate quantitative and qualitative detection of IgA and IgG antibodies against deamidated Gliadin-specific peptides (DGP) in human serum.</p> <p>Principle of the Assay: Samples diluted 1:101 are incubated in the microplates coated with the specific antigen. The antibodies, if present in the specimen, bind to the antigen. The unbound fraction is washed off in the following step. Afterwards anti-human immunoglobulins conjugated to horseradish peroxidase (conjugate) are incubated and react with the antigen-antibody complex of the samples in the microplates. Unbound conjugate is washed off in the following step. Addition of TMBsubstrate generates an enzymatic colorimetric (blue) reaction, which is stopped by diluted acid (color changes to yellow). The intensity of color formation from the chromogen is a function of the amount of conjugate bound to the antigen-antibody complex and this is proportional to the initial concentration of the respective antibodies in the sample.</p> <p>Background: Gluten-sensitive enteropathy or celiac disease is characterized by atrophy of the small intestinal villi leading to a so-called flat mucosa. It is caused by a pathological intolerance to Gliadin, the alcoholsoluble fraction of gluten in wheat, rye and barley. As celiac disease is caused by the uptake of gluten, consequently a gluten-free diet cures the disease completely and thus has to be maintained for lifetime. Renewed consumption of Gliadin leads to a return of the symptoms. The disease is HLA-associated (&gt;95% of individuals have DQ2 enREFd by DQA1*0501 and DQB1*0201) and manifests at any age with a peak onset in early childhood, even in neonatals. The incidence rates range from 1 in 4000 to 1 in 300 in European countries.</p> |
| Product Categories/Family for DGP IgG/IgA elisa kit   | Immunology; Gastroenterology; Research Assays; Assay Categories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.