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Product Name

Monoclonal Human anti-codanin-1 Immunoglobulin

CAT No.

MQR 2.2301

LOT No.

18284

Quantity

100 µg

Edition: September 4, 2019

Intended use

This product is for research use only. NOT for use in diagnostic or therapeutic procedures.

This product is tested for use in enzyme-linked immunosorbent assay (ELISA) and immunoprecipitation (IP).

Reagent provided

The antibody is supplied in PBS.

Isotype

Human IgG1κ

Immunogen

Codanin-1, Domain: 840-1202 of 1227.

Specificity

Specificity has been tested in ELISA (figure 1) and IP-MS.

Purity

Protein A purified.

Disclaimer

The antibody is for R&D use only. NOT for use in diagnostic or therapeutic procedures.

Precautions

1. For professional users.
2. As with any product derived from biological sources, proper handling procedures should be used.
3. The product may be used in different techniques and in combination with different sample types and materials, therefore each individual laboratory should validate the applied test system.

Preparation of the antibody

Use antibody as supplied.

Storage/Stability

Store at -20°C. After first time use, store at 4°C. Avoid repeated freeze-thaw cycles.

Application guidelines

ELISA: 1:200 – 1:1000

IP: 2 µg/ml

Other applications: since applications vary, optimum working dilution of the product should be determined in the appropriate assay.

Unless the stability in the actual test system has been established, it is recommended to dilute the product immediately before use.

Relevance

Codanin-1, linked to congenital dyserythropoietic anemia, caused by mutations in the gene coding for CDAN1. An autosomal recessive blood disorder characterized by morphological abnormalities of erythroblasts, ineffective erythropoiesis, macrocytic anemia and secondary hemochromatosis. It is occasionally associated with bone abnormalities, especially of the hands and feet (acrodysostosis), nail hypoplasia, and scoliosis.

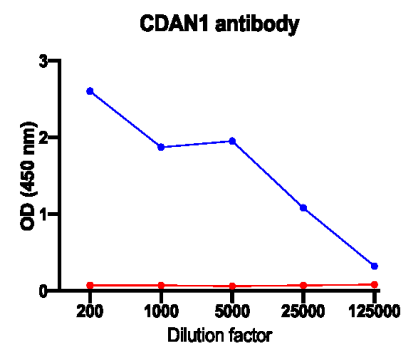


Figure 1: Specificity of anti-CDAN1 (MQR2.2301), determined by ELISA. Antibody stock 0.46 mg/ml diluted in PBS containing 0.05% tween-20 and 1% BSA was tested on human Codanin-1 (in blue) and non-target protein (in red).

References

- 1) <https://www.uniprot.org/uniprot/Q8IWY9>