

**Product Name**

Monoclonal Human anti-human bromodomain-containing protein 4 Immunoglobulin

**CAT No.**

MQR2.1202

**LOT No.**

18282

**Size**

100 µg

Edition: October 2, 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**

Human bromodomain-containing protein 4 isoform long. Domain: 44-168 of 1362, bromodomain 1.

**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:** 1:1000 – 1:5000

**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**

Chromatin reader protein that recognizes and binds acetylated histones and plays a key role in transmission of epigenetic memory across cell divisions and transcription regulation. Remains associated with acetylated chromatin throughout the entire cell cycle and provides epigenetic memory for postmitotic G1 gene transcription by preserving acetylated chromatin status and maintaining high-order chromatin structure.<sup>1</sup>

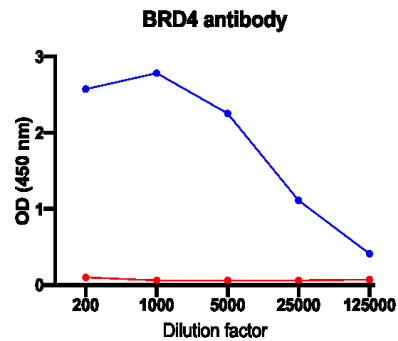


Figure 1: Specificity of anti-BRD4 (MQR2.1202), determined by ELISA. Antibody stock 0.5 mg/ml diluted in PBS containing 0.05% tween-20 and 1% BSA was tested on human BRD4 (in blue) and non-target protein (in red).

**References**

- 1) <https://www.uniprot.org/uniprot/O60885>

