



# **ENT1, phosphorylated (Ser254) (Equilibrative Nitrobenzylmercaptapurine Riboside-sensitive Nucleoside Transporter, Equilibrative NBMPR-sensitive Nucleoside Transporter, Nucleoside Transporter, es-type, Solute Carrier Family 29 Member 1, Slc29a1, Equilibrative Nucleoside Transporter 1) (Azide free) (HRP)**

## **Catalog number**

E3225-01C-HRP

## **Supplier**

United States Biological

ENT1 is a member of the equilibrative nucleoside transporter family. The protein is categorized as an equilibrative (as opposed to concentrative) transporter that is sensitive to inhibition by nitrobenzylthioinosine (NBMPR). Nucleoside transporters are required for nucleotide synthesis in cells that lack de novo nucleoside synthesis pathways, and are also necessary for the uptake of cytotoxic nucleosides used for cancer and viral chemotherapies.

## **Applications**

Suitable for use in ELISA and Dot Blot. Other applications not tested.

## **Recommended Dilution**

ELISA: 1:1,000

Dot Blot: 1:500

Optimal dilutions to be determined by the researcher.

## **Storage and Stability**

Store product at 4°C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20°C. Aliquots are stable at -20°C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

## **Note**

Applications are based on unconjugated antibody.

## **Immunogen**

Synthetic phosphopeptide corresponding to amino acid residues surrounding Ser254 of human ENT1 (KLH).

## **Formulation**

Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase



(HRP).

**Purity**

Purified by Protein A affinity chromatography.

**Specificity**

Recognizes human ENT1 when phosphorylated at Ser254.

**Product Type**

Pab

**Source**

human

**Isotype**

IgG

**Grade**

Affinity Purified

**Applications**

DB E

**Crossreactivity**

Hu

**Storage**

-20°C

**MW**

50.219

**Detection Method**

HRP

**BSA Free**

Phosphorylated

**Reference**

1. Dephoure N, et al. (2008) Proc Natl Acad Sci USA 105, 10762-7. 2. Bone DB, Robillard KR, Stolk M, Hammond JR (2007) Mol Membr Biol 24, 294-303.