

Anti-Alpha-enolase [EnL5] Standard Size Ab02940-10.0

This chimeric human antibody was made using the variable domain sequences of the original Chicken IgG format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Human IgG1, Lambda

Clone Number: EnL5

Alternative Name(s) of Target: α -enolase; MBP-1; MPB-1; ENO1; NNE; ENO1L1; MBPB1; MPB1; Enolase 1; Non-neural enolase; 2-phospho-D-glycerate hydro-lyase; C-myc promoter-binding protein; Phosphopyruvate hydratase; Plasminogen-binding protein

UniProt Accession Number of Target Protein: P06733

Published Application(s): ELISA, FC, IF

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing female white leghorn (*Gallus domesticus*) chickens with 100 µg purified α -enolase in an equal volume of Freund's complete adjuvant by an intramuscular injection. The total RNA was extracted from the enlarged spleens for scFv antibody library construction. This clone was isolated by panning the scFv library against alpha-enolase.

Specificity: This antibody binds alpha-enolase, which is a glycolytic enzyme expressed in most tissues. It catalysis the conversion of 2-phosphoglycerate to phosphoenolpyruvate. In addition to glycolysis, it is involved in various processes such as growth control, hypoxia tolerance and allergic responses

Application Notes: The binding specificity of this antibody for alpha-enolase was done using ELISA. This antibody was also used for detection of α -enolase expressed in the PE089 cells using flow cytometry. This antibody was also used for immunofluorescent and immunocytochemical staining of α -enolase molecules expressed in PE089 cells (PMID: 20655599).

Antibody First Published in: Leu et al. Generation and characterization of anti- α -enolase single-chain antibodies in chicken. *Vet Immunol Immunopathol.* 2010 Oct 15; 137(3): 251–260. [PMID:20655599](#)

Note on publication: Describes the generation and characterization of single chain antibodies against alpha enolase.

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.