



Anti-LDHA monoclonal antibody, clone 3C22 (CABT-ZC1203)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse Monoclonal Antibody to Human LDHA molecule
Antigen Description	Lactate dehydrogenase (LDH) is the enzyme in the glycolytic pathway that converts pyruvate to lactate with concomitant interconversion of NADH and NAD ⁺ . In mammals, the enzyme is encoded by three genes: LDHA (M or muscle form), LDHB (H or heart form), and LDHC (X or testis form). The three human LDHs have 84-89% sequence similarities and 69-75% amino acid identities. There are five different LDH isoenzymes based on the proportion of M and H chains existing in the LDH tetrameric structure. The LDHA is hypoxia inducible and its expression is directly controlled by the transcriptional activity of the hypoxia inducible factor 1α (HIF1α). LDHB is also known to be upregulated in many cancers.
Target	LDHA
Immunogen	Protein expressed in 293T cell transfected with human LDHA expression vector
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	3C22
Conjugate	Unconjugated
Applications	ELISA, LMNX
Buffer	Stored in PBS (pH 7.4) with 0.05% sodium azide, 10mg/ml BSA, 50% glycerol.
Preservative	0.05% Sodium Azide

Storage

Shipped at 4 °C. Upon delivery store at -20 °C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
