

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Ornithine Carbamoyltransferase/OTC in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 990421
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Synthetic peptide containing human Ornithine Carbamoyltransferase/OTC Accession # P00480
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the *Technical Information* section on our website.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Human Ornithine transcarbamylase (OTC) is a 354 amino acids, 40 KDa enzyme that catalyzes the reaction between carbamoyl phosphate (CP) and ornithine (Orn) to form citrulline (Cit) and phosphate (Pi). OTC is a trimer. The monomer unit has a CP-binding domain and an amino acid-binding domain. The active sites are located at the interface between the protein monomers.

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