

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CDX4 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 322007
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human CDX4 Met1-Thr170 Accession # O14627
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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.

Immunocytochemistry 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

CDX4 belongs to the caudal-type homeobox protein family of transcription factors, which are involved in early anteroposterior patterning by regulating members of the *HOX* gene family. CDX4 has also been shown to regulate hematopoiesis during embryogenesis and the proliferation and differentiation of epithelial lining in the gut. Abnormal expression of CDX4 is associated with various diseases including cancers of the gut epithelium.

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