

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Rex-1 in direct ELISAs and Western blots. Does not cross-react with recombinant human YY1.
Source	Monoclonal Rat IgG _{2A} Clone # 373722
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Rex-1 Ser2-Lys150 Accession # NP_777560
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
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

Human Rex-1 (also Zfp-42) is a 35 kDa zinc finger family transcription factor that is highly expressed in human embryonic stem cells. It is one of several gene markers used to identify human stem cells. It is 310 amino acids in length and contains a zinc finger-binding domain between aa 214-307. Over this region, human and mouse show modest orthology at 47% aa identity.

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