

CA1098	REX1	
	Monoclonal Antibody (PR-20D5)	
	Prod. No. S2177-100UG	Orders 866 372-7442 & Support support@primorigen.com Web www.primorigen.com
	For Research Use Only Not intended for use in humans or animals	

Reacts with	Human*
Tested Applications	Flow, ELISA
Host	Mouse
Clone	PR-20D5
Isotype	IgG2a, κ

*Other species not tested

Background: REX1, also commonly called ZFP42, is a member of the krueppel C2H2-type zinc finger protein family of transcription factors. The first 98 amino acids of the protein are unique; the downstream sequence contains four C2H2-type zinc finger regions. REX1 is highly expressed in embryonic and induced pluripotent stem cells and is therefore used as a stem cell marker, but it can also be detected in several types of epidermal and epithelial cells. REX1 is thought to play a role in stem cell self-renewal and pluripotency.

Size: 100 µg

Immunogen: Recombinant full-length human REX1 expressed in *E. coli* and refolded to soluble form.

Purification: Protein G chromatography

Formulation: 0.980 mg/ml in PBS

Purity: >90% by SDS-PAGE

Storage: Store at 4°C (<3 months) or -20°C. Avoid multiple freeze-thaws.

Recommended Uses:

ELISA (detect)	1:1000
Flow Cytometry	1 µg/10 ⁵ cells

Note: Optimal concentrations should be empirically determined.

IC50: 57 ng/ml

Note: Represents the dilution factor, starting from 1 mg/ml of monoclonal antibody, where 50% of the ELISA signal is present against the antigen used as the immunogen.

Target Alternative Names: Zfp-42; Zinc Finger Protein 42

Target Database Links:

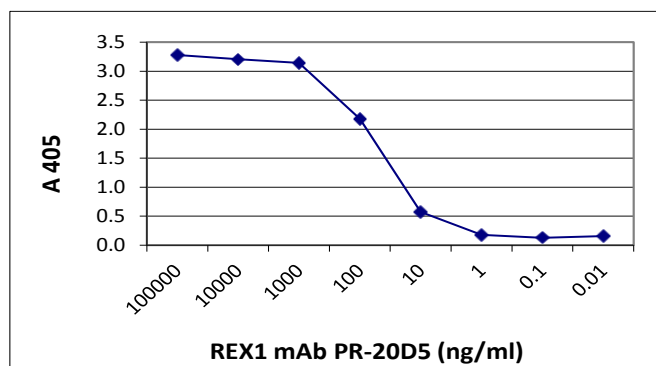
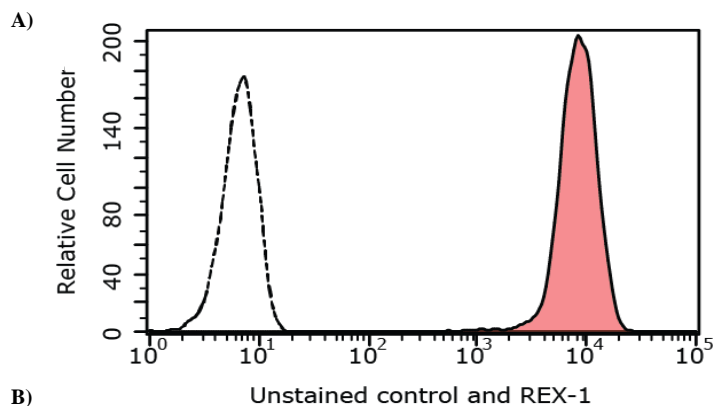
RefSeq Protein	NP_777560.2
RefSeq mRNA	NM_174900.3
UniProt	Q96MM3

Applications:

A) Flow Cytometry. Detection of REX1 in human iPSCs using 1 µg antibody stained with anti-mouse IgG FITC Conjugate F(ab')₂.

B) ELISA Indirect ELISA detection of immobilized REX1 immunogen with titrated amounts of REX1 mAb (PR-20D5).

Note: Representative data are shown (not Lot-specific).



Warranty: Each Lot has been verified to meet quality specifications in accordance with testing guidelines. We will replace the product if it does not conform to specifications. Product guaranteed for 6 months from date of purchase if stored as directed. This product must not be resold without written permission from Primorigen Biosciences.