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| CA1098 | REX1 |  |
| | Monoclonal Antibody (PR-19C7) | |
| | Prod. No. S2176-100UG | Orders 866 372-7442 & Support support@primorigen.com Web www.primorigen.com |
| | For Research Use Only Not intended for use in humans or animals | |

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|----------------------------|----------------|
| Reacts with | Human* |
| Tested Applications | Flow, ELISA |
| Host | Mouse |
| Clone | PR-19C7 |
| Isotype | IgG1, 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.

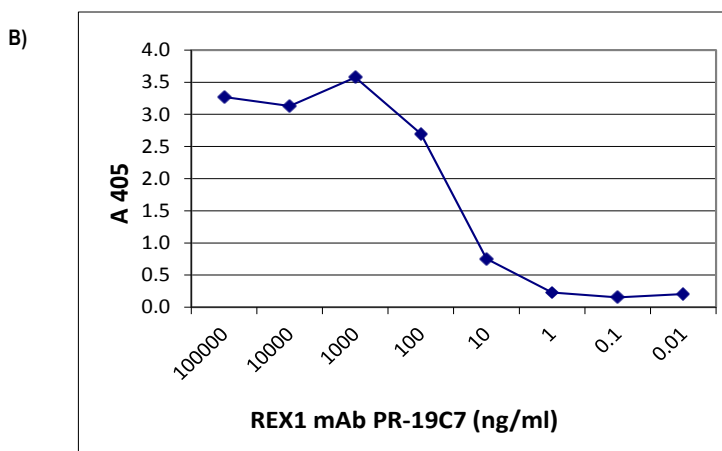
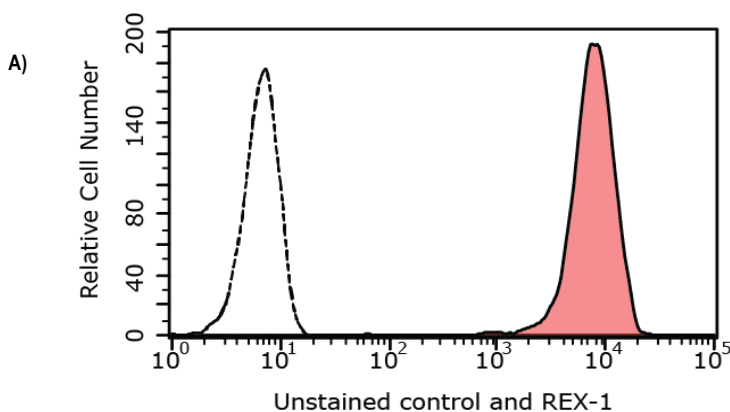
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| Size: 100 μ g |
| Immunogen: Recombinant full-length human REX1 expressed in <i>E. coli</i> and refolded to soluble form. |
| Purification: Protein G chromatography |
| Formulation: 0.993 mg/ml in PBS |
| Purity: >90% by SDS-PAGE |
| Storage: Store at 4°C (<3 months) or -20°C. Avoid multiple freeze-thaws. |
| Recommended Uses: |
| ELISA (detect) 1:1000 |
| Flow Cytometry 1 μ g/10 ⁵ cells |
| Note: Optimal concentrations should be empirically determined. |
| IC50: 42 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 |
| 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 μ g 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-19C7).

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.