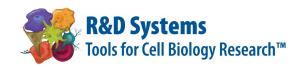
Human SOX17 APC-conjugated Antibody



Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: IC1924A 100 TESTS

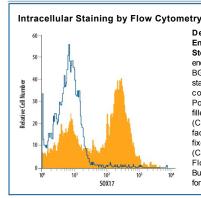
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human SOX17 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human (rh) SOX2, rhSOX6, and rhSOX15 is observed.		
Source	Polyclonal Goat IgG		
Purification	Antigen Affinity-purified		
Immunogen	E. coli-derived recombinant human SOX17 Asp177-Val414 Accession # Q9H6l2		
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm		
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.		
	*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.

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	10 μL/10 ⁶ cells	See Below

DATA



Detection of SOX17 in Definitive Endoderm-differentiated BG01V Human Stem Cells by Flow Cytometry. Definitive endoderm-differentiated (Catalog # SC019) BG01V human embryonic stem cells were stained with Goat Anti-Human SOX17 APCconjugated Antigen Affinity-purified Polyclonal Antibody (Catalog # IC1924A, filled histogram) or isotype control antibody (Catalog # IC108A, open histogram). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). View our protocol for Staining Intracellular Molecules.

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

SOX17 is a member of the SOX family of transcription factors that bind DNA via a high mobility group (HMG) domain. SOX17 is suggested to play an important role in endoderm development (1, 2). In Western blot, AF1924 detects a 60 kDa band of endogenous SOX17 which is higher than predicted molecular weight but consistent with the current literature (3).

References:

- 1. Kanai-Azuma, M. et al. (2002) Development 129:2367.
- 2. Katoh, M. et al. (2002) Int. J. Mol. Med. 9:153.
- 3. Sohn, J. et al. (2006) J. Neuroscience 26:9722.

