

Human/Mouse Brachyury PE-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: IC2085P 100 TESTS

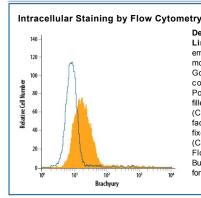
DESCRIPTION			
Species Reactivity	Human/Mouse		
Specificity	Detects human Brachyury in direct ELISAs and Western blots. In direct ELISAs, approximately 25% cross-reactivity with recombinant huma (rh) TBX-6 is observed, and approximately 5% cross-reactivity with rhTBX-2, rhTBX-5, and rhTBX-18 is observed.		
Source	Polyclonal Goat IgG		
Purification	Antigen Affinity-purified		
Immunogen	E. coli-derived recombinant human Brachyury Ser2-Glu202 Accession # O15178		
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 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 Shee (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 Brachyury in D3 Mouse Cell Line by Flow Cytometry. D3 mouse embryonic stem cell line differentiated with mouse serum for 4 days was stained with Goat Anti-Human/Mouse Brachyury PE-conjugated Antigen Affinity-purified Polyclonal Antibody (Catalog # IC2085P, filled histogram) or isotype control antibody (Catalog # IC108P, 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

Brachyury is the founding member of the T-box family of transcription factors, which is characterized by the N-terminal conserved DNA-binding T-domain. Brachyury is required in the early determination and differentiation of mesoderms. Human brachyury molecule shares 90% homology with mouse brachyury.

