

ARG43505 anti-BX21 / T-bet antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes BX21 / T-bet
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	BX21 / T-bet
Species	Human
Immunogen	Synthetic peptide corresponding to Human TBX21 / T-bet.
Conjugation	Un-conjugated
Alternate Names	TBX21; T-Box Transcription Factor 21; TBLYM; T-Bet; T-Cell-Specific T-Box Transcription Factor T-Bet; T-Box Transcription Factor Expressed In T Cells; T-Box Transcription Factor TBX21; Transcription Factor TBLYM; T-Box Protein 21; T-Box 21; TBET; T-Box Expressed In T Cells; IMD88; T-PET

Application Instructions

Application table	Application	Dilution
	FACS	1-3µg/1x10 ⁶ cells
	WB	0.25-0.5µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Gene Symbol	TBX21
Gene Full Name	T-Box Transcription Factor 21
Background	<p>This gene is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. This gene is the human ortholog of mouse Tbx21/Tbet gene. Studies in mouse show that Tbx21 protein is a Th1 cell-specific transcription factor that controls the expression of the hallmark Th1 cytokine, interferon-gamma (IFNG). Expression of the human ortholog also correlates with IFNG expression in Th1 and natural killer cells, suggesting a role for this gene in initiating Th1 lineage development from naive Th precursor cells. [provided by RefSeq, Jul 2008]</p>
Function	<p>Transcription factor that controls the expression of the TH1 cytokine, interferon-gamma. Initiates TH1 lineage development from naive TH precursor cells both by activating TH1 genetic programs and by repressing the opposing TH2 programs. [UniProt]</p>
Calculated Mw	58 kDa