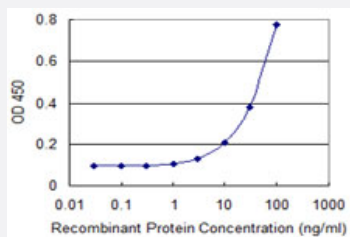


TBX21 monoclonal antibody (M01), clone 4F8

Catalog # H00030009-M01

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TBX21 is 1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant TBX21.

Immunogen

TBX21 (AAH39739.1, 387 a.a. ~ 486 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

LGAPRDHSYAEFRAVSMKPAFLPSAPGPTMSYYRGQEV LAPGAGWPVAPQYPPKMGPASWF
RPMRTLPMEPGPGGSEGRGPEDQGPPPLVWTEIAPIRPE

Host

Mouse

Reactivity

Human

Isotype

IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (36.63 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TBX21 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — TBX21

Entrez GeneID

[30009](#)

GeneBank Accession#

[BC039739](#)

Protein Accession#

[AAH39739.1](#)

Gene Name

TBX21

Gene Alias

T-PET, T-bet, TBET, TBLYM

Gene Description

T-box 21

Omim ID

[208550](#) [604895](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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]

Other Designations

T-box expressed in T cells|T-cell-specific T-box transcription factor

Disease

- [Arthritis](#)
- [Asthma](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Drug Hypersensitivity](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Inflammation](#)
- [Lupus Erythematosus](#)
- [Respiratory Syncytial Virus Infections](#)
- [Scleroderma](#)