



# FOXP3 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-02246
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat;Pig
<b>Applications</b>	WB
<b>Gene Name</b>	FOXP3
<b>Protein Name</b>	Forkhead box protein P3
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the C-terminal region of human FOXP3. AA range:381-430
<b>Specificity</b>	FOXP3 Monoclonal Antibody detects endogenous levels of FOXP3 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	FOXP3; IPEX; JM2; Forkhead box protein P3; Scurfin
<b>Observed Band</b>	47kD
<b>Cell Pathway</b>	Nucleus . Cytoplasm . Predominantly expressed in the cytoplasm in activated conventional T-cells whereas predominantly expressed in the nucleus in regulatory T-cells (Treg). The 41 kDa form derived by proteolytic processing is found exclusively in the chromatin fraction of activated Treg cells (By similarity). .
<b>Tissue Specificity</b>	
<b>Function</b>	disease:Defects in FOXP3 are the cause of immunodeficiency polyendocrinopathy, enteropathy, X-linked syndrome (IPEX) [MIM:304790]; also known as X-linked autoimmunity-immunodeficiency syndrome. IPEX is characterized by neonatal onset insulin-dependent diabetes mellitus, infections, secretory diarrhea, thrombocytopenia, anemia and eczema. It is usually lethal in infancy.,function:Probable transcription factor. Plays a critical role in the control of immune response.,online information:FOXP3 entry,online information:FOXP3 mutation db,similarity:Contains 1 C2H2-type zinc finger.,similarity:Contains 1 fork-head DNA-binding domain.,
<b>Background</b>	The protein encoded by this gene is a member of the forkhead/winged-helix family of transcriptional regulators. Defects in this gene are the cause of immunodeficiency polyendocrinopathy, enteropathy, X-linked syndrome (IPEX),



also known as X-linked autoimmunity-immunodeficiency syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008],

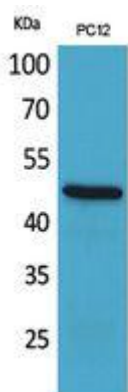
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using FOXP3 Monoclonal Antibody