

## Product datasheet for **AP23767PU-N**

### Foxp3 (C-term) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC
Recommended Dilution:	<b>Peptide ELISA:</b> 1/4000. <b>Immunohistochemistry:</b> 2-4 µg/ml. In paraffin embedded Mouse Thymus shows nuclear staining in some patches of thymocytes.
Reactivity:	Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the C Terminus of the protein sequence according to NP_473380.1.
Specificity:	Recognizes FOXP3 / Scurfin (Mouse).
Formulation:	Tris saline, pH 7.3 containing 0.02% Sodium Azide as preservative and 0.5% BSA as stabilizer. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by antigen Affinity Chromatography using the immunizing peptide.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	forkhead box P3
Database Link:	<a href="#">Entrez Gene 20371 Mouse</a> <a href="#">Q99JB6</a>



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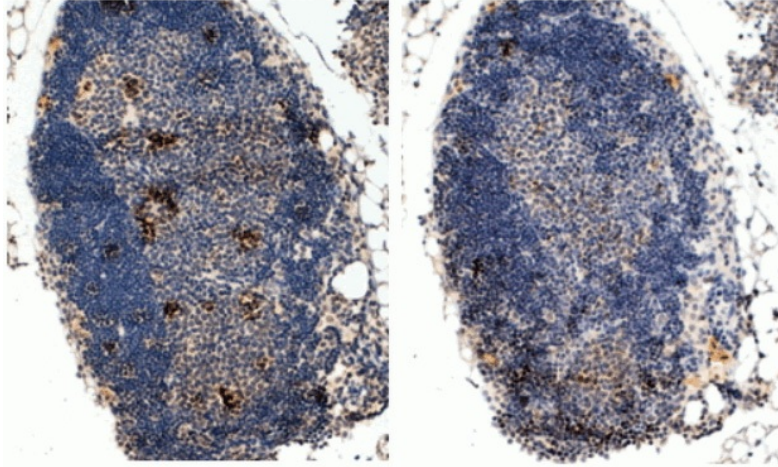
**Background:**

FOXP3 (a 431 amino acid protein) is a member of the forkhead/winged-helix family of transcriptional regulators and is highly conserved across mammals. FOXP3 is essential for normal immune homeostasis.

FOXP3 is stably and constitutively expressed at a high level in CD25 + CD4 positive regulatory T cells, at low level in CD4 positive/CD25 negative cells, and is absent in CD4 negative/CD8 positive T cells. FOXP3 may be a master regulatory gene and a more specific marker of regulatory T cells than other T cells.

**Synonyms:**

Forkhead box protein P3, IPEX, JM2, Scurfin

**Product images:**

FOXP3 antibody staining of Paraffin Embedded Mouse Thymus at 2 ug/ml (left panel) of paraffin embedded Mouse Thymus. Right panel shows staining without primary antibody as negative control. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.