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**Product name:** Purified Anti-Human FOXP3 Monoclonal Antibody

**Catalog:** DL20224F

**Synonyms:** Forkhead box protein P3, FOXP3, Scurfin, Forkhead  
box protein P3 41 kDa form, IPEX

**Background:** FOXP3 is a 50-55 kD transcription factor, also known as Forkhead box protein P3, Scurfin, JM2, or IPEX. It is proposed to be a master regulatory gene and more specific marker of T regulatory cells than most cell surface markers (such as CD4 and CD25). Transduced expression of FOXP3 in CD4+/CD25- cells has been shown to induce GITR, CD103, and CTLA4 and impart a T regulatory cell phenotype. FOXP3 is mutated in X-linked autoimmunity-allergic dysregulation syndrome (XLAAD or IPEX) in humans and in "scurfy" mice. Overexpression of

FOXP3 has been shown to lead to a hypoactive immune state suggesting that this transcriptional factor is a central regulator of T cell activity. In human, unlike in mouse, two isoforms of FOXP3 have been reported: one (FOXP3) corresponding to the canonical full-length sequence; the other (FOXP3 $\delta$ 2) lacking exon 2.

**Form:** Liquid

**Isotype:** Mouse IgG1,  $\kappa$

**Size:** 25  $\mu$ g/100  $\mu$ g

**Host:** Mouse

**Reactivity:** Human

**Application:** ICFCM

**Concentration:** 0.5 mg/mL

**Conjugation:** Unconjugated

**SwissProt:** Q9BZS1

**Buffer:** PBS with 0.05% Proclin300

### Recommended Use:

Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 1 \mu$ g per  $10^6$  cells in 100  $\mu$ l volume or 100  $\mu$ l of whole blood. It is recommended

that the reagent be titrated for optimal performance for each application.

**Storage:**

Keep as concentrated solution.

Store at 2~8°C. Do not freeze.

This product is guaranteed up to one year from purchase.