

# Anti-FOXP3 Antibody

## IRS053



<b>Product Type:</b>	Recombinant Rabbit monoclonal IgG, primary antibodies
<b>Species reactivity:</b>	Mouse
<b>Applications:</b>	mIHC
<b>Molecular Wt:</b>	Predicted band size: 47 kDa

**Description:** FOXP3 (forkhead box P3), also known as scurfin, is a protein involved in immune system responses. A member of the FOX protein family, FOXP3 appears to function as a master regulator of the regulatory pathway in the development and function of regulatory T cells. Regulatory T cells generally turn the immune response down. In cancer, an excess of regulatory T cell activity can prevent the immune system from destroying cancer cells. In autoimmune disease, a deficiency of regulatory T cell activity can allow other autoimmune cells to attack the body's own tissues.

**Immunogen:** Recombinant protein within human FOXP3 aa 101-370.

**Positive control:** Mouse spleen tissue.

**Subcellular location:** Nucleus, Cytoplasm.

**Database links:** SwissProt: Q99JB6 Mouse

**Recommended Dilutions:**  
mIHC 1:100

**Storage Buffer:** PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

**Storage Instruction:** Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

**Purity:** Protein A affinity purified.

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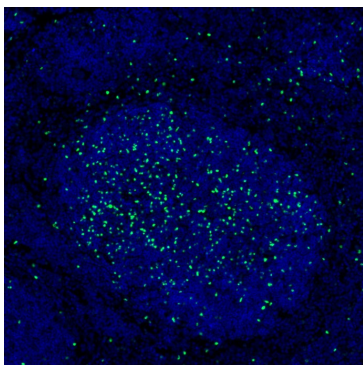
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Technical:0086-571-89986345

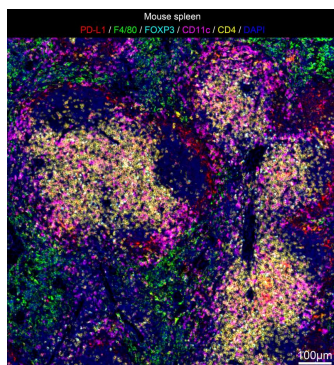
Service mail:support@huabio.cn

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## Images



**Fig1:** mIHC analysis of mouse spleen tissue (Formalin/PFA-fixed paraffin-embedded sections) with Rabbit anti-FOXP3 antibody (IRS053) at 1/100 dilution. The immunostaining was performed with the IRISKit® HyperView mTSA Kit (MH900206). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins at 95°C. DAPI (blue) was used as a nuclear counter stain. Image acquisition was performed with Olympus VS200 Slide Scanner.



**Fig2:** mIHC analysis of mouse spleen tissue (Formalin/PFA-fixed paraffin-embedded sections) with PD-L1 (IRS059), F4/80 (IRS052), FOXP3 (IRS053), CD11c and CD4 (IRS051) antibody at 1/100 dilution. The immunostaining was performed with the IRISKit® HyperView mTSA Kit (MH900206). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins at 95°C. DAPI (blue) was used as a nuclear counter stain. Image acquisition was performed with Olympus VS200 Slide Scanner.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

## Background References

1. Wang J et al. Human FOXP3 and tumour microenvironment. *Immunology*. 2023 Feb
2. Ziółkowska-Suchanek I et al. FOXP3: A Player of Immunogenetic Architecture in Lung Cancer. *Genes (Basel)*. 2024 Apr

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