

# IHCeasy<sup>®</sup> FOXP3 Ready-To-Use IHC Kit

Catalog Number: **KHC2510**

## General Information

Sample type:  
FFPE tissue  
Cited sample type:  
Reactivity:  
Human  
Cited Reactivity:

Assay type:  
Immunohistochemistry  
Primary antibody type:  
Mouse Monoclonal  
Secondary antibody type:  
Polymer-HRP-Goat anti-Mouse

## Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

## Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

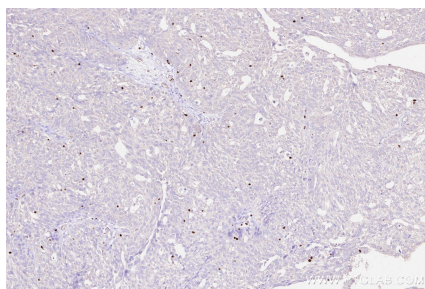
## Background

FOXP3 is a transcription factor belonging to the Forkhead box (FOX) protein family. It contains a forkhead-winged helix domain that acts as a transcriptional activator or repressor. FOXP3 is the master regulator of regulatory T cells (Tregs), a subset of CD4<sup>+</sup> T cells with potent suppressive activity. It plays a critical role in maintaining self-tolerance and preventing autoimmune diseases by controlling the development and function of Tregs. The expression of FOXP3 is quite limited, and the cellular taxa present in the tissue are relatively low.

## Synonyms

FOXP3, AIID, DIETER, forkhead box P3, Forkhead box pro

## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using KHC2510 (FOXP3 IHC Kit).