

GARP

Cat.No. 221 011; Monoclonal mouse antibody, 100 µg purified IgG (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg purified IgG, lyophilized. Azide was added before lyophilization. For reconstitution add 100 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) IP: not tested yet ICC: not tested yet IHC: not tested yet IHC-P/FFPE: not tested yet
Clone	50G10
Subtype	IgG2b (κ light chain)
Immunogen	Recombinant protein corresponding to AA 23 to 612 from human GARP (UniProt Id: Q14392)
Epitop	Epitop: AA 23 to 612 from human GARP (UniProt Id: Q14392)
Reactivity	Reacts with: human (Q14392). Other species not tested yet.
Specificity	Specific for GARP.
Remarks	Skimmed milk is required for efficient blocking.

TO BE USED IN VITRO / FOR RESEARCH ONLY

NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Regulatory T-cells (T_{reg}-cells) are involved in the homeostasis of immune reactions and tolerance. These specialized T-cells suppress auto-reactive cells and inhibit autoimmunity. Development and function of T_{reg}-cells depend on the expression of the transcription factor FOXP3. The orphan receptor **GARP**, also referred to as **LRRC 32**, is exclusively found on T_{reg}-cells upon stimulation with anti-CD3/IL-2 or anti-CD3/anti-CD28/IL-2. Additionally it has been shown, that ectopic GARP expression strongly induces FOXP3.

Selected References SYSY Antibodies

GARP: a key receptor controlling FOXP3 in human regulatory T cells.
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