

Anti-IL-4 Antibody (5B542)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5B542
Purification:	Affinity-chromatography

Applications

Verified Activity:	IHC image of TMAH-00624 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond TM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.
Application:	ELISA,IHC
Recommended	IHC:1:50-1:200.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human IL4
Antigen Species:	Human
Gene ID:	3565
Uniprot ID:	P05112
Synonyms:	IL-4;B cell growth factor 1;BCGF1;pitracinra;BCDF;interleukin 4;BSF1;BCGF-1;MGC79402;binetrakin;BSF-1;IL4
Biology Area:	Cancer, Immunology

Research Background

Participates in at least several B-cell activation processes as well as of other cell types. It is a costimulator of DNA-synthesis. It induces the expression of class II MHC molecules on resting B-cells. It enhances both secretion and cell surface expression of IgE and IgG1. It also regulates the expression of the low affinity Fc receptor for IgE (CD23) on both lymphocytes and monocytes. Positively regulates IL31RA expression in macrophages. Stimulates autophagy in dendritic cells by interfering with mTORC1 signaling and through the induction of RUFY4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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