Anti-IL-5 Antibody

HA500081

Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human
Applications:	WB, IF-Cell, ELISA
Molecular Wt:	Predicted band size: 15 kDa

Description: Interleukin 5 (IL5) is an interleukin produced by type-2 T helper cells and mast cells.Through binding to the interleukin-5 receptor, interleukin 5 stimulates B cell growth and increases immunoglobulin secretion - primarily IgA. It is also a key mediator in eosinophil activation.IL-5 is a 115-amino acid (in human, 133 in the mouse) -long TH2 cytokine that is part of the hematopoietic family. Unlike other members of this cytokine family (namely interleukin 3 and GM-CSF), this glycoprotein in its active form is a homodimer.

Immunogen: Synthetic peptide within human IL-5 aa 60-110.

Positive control: LOVO cell lysates, LOVO cells.

Subcellular location: Secreted.

Database links: SwissProt: P05113 Human

Recommended Dilutions:

WB	1:500-1:1,000
IF-Cell	1:50-1:200
ELISA	1:5,000-1:10,000

Storage Buffer: 1*TBS (pH7.4), 0.2% BSA, 50% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4℃. Store at +4℃ short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20℃ long term.

Purity: Immunogen affinity purified.

Images

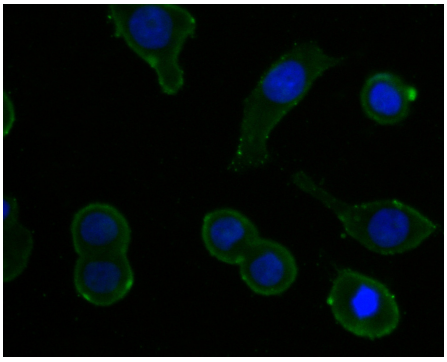


Fig1: ICC staining of IL-5 in LOVO cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with the primary antibody (HA500081, 1/200) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 Goat anti-Rabbit IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue).

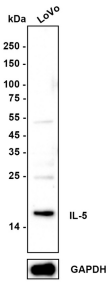


Fig2: Western blot analysis of IL-5 on different lysates with Rabbit anti-IL-5 antibody (HA500081) at 1/1,000 dilution.

Lane 1: LoVo (Human colorectal cancer cells) cell lysate

Exposure time: 3 minutes; ECL: K1801

Blocking: 5% NFDM/TBST, 1 hour at room temperature
Primary antibody: HA500081, 1/1,000 in primary antibody dilution buffer 5% NFDM/TBST, overnight at 4 ℃
Secondary antibody: Goat anti-Rabbit IgG-HRP (HA1001), 1/50,000 in 5% NFDM/TBST, 1 hour at room temperature

Predicted band size: 15.2 kDa
Observed band size: 15 kDa

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

Background References

1. Minamitake Y. et. al. Structure of recombinant human interleukin 5 produced by Chinese hamster ovary cells. J. Biochem. 107:292-297(1990).