

IL-5 Polyclonal Antibody

Product Details

Size	100 µg
Species Reactivity	Horse
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Mouse myeloma cell line NS0-derived recombinant equine IL-5 Leu20-Gly134
Form	Lyophilized
Concentration	0.2 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 5% trehalose
Contains	No Preservative
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2610492

Applications	Tested Dilution	Publications
Western Blot (WB)	0.1 µg/mL	-
Immunocytochemistry (ICC/IF)	10-25 µg/mL	-
Neutralization (Neu)	0.5-2.0 µg/mL	-

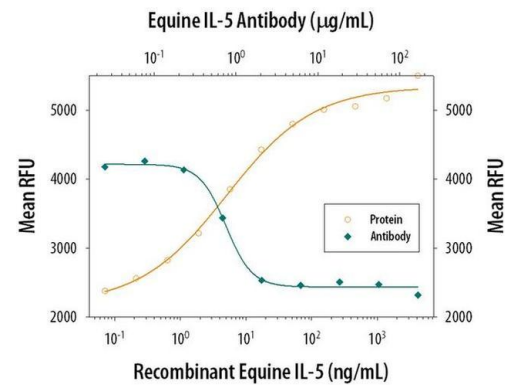
Product Specific Information

Mature horse IL-5 shares 71%, 89%, 88%, 83%, 66% and 63% aa sequence identity with mature human, bovine, feline, canine, mouse and rat IL-5, respectively.

Reconstitute at 0.2 mg/mL in sterile PBS.

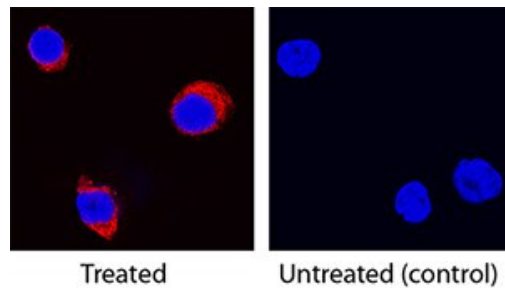
Endoxin level is <0.10 EU per 1 µg of the antibody by the LAL method.

Product Images For IL-5 Polyclonal Antibody



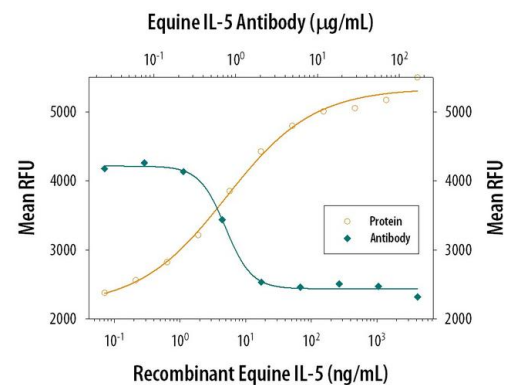
IL-5 Antibody (PA5-48015)

Neutralization antibody testing demonstrates the specificity of an antibody through a correlation between antibody binding and the activity of the target. Neutralization of IL-5 is shown by the decrease in mean RFU (relative fluorescent units - measure of IL-5-induced TF1 cell proliferation) with increasing concentrations of IL-5 Antibody (Product # PA5-48015). {Neu}



IL-5 Antibody (PA5-48015) in ICC/IF

Immunocytochemistry analysis of IL-5 in immersion fixed equine peripheral blood mononuclear cells (PBMCs) treated with calcium ionomycin and PMA. Samples were incubated in IL-5 polyclonal antibody (Product # PA5-48015) using a dilution of 15 µg/mL for 3 hours at room temperature followed by NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm.



IL-5 Antibody (PA5-48015) in Neu

Neutralization of IL-5 in TF1 human erythroleukemic cell line. Samples were incubated in IL-5 polyclonal antibody (Product # PA5-48015) using a dilution of 50 ng/mL. Recombinant Equine IL5 stimulates proliferation in the TF1 human erythroleukemic cell line in a dose-dependent manner (orange line). Proliferation elicited by Recombinant Equine IL5 is neutralized (green line) by increasing concentrations of Goat Anti-Equine IL5 Antigen Affinity-purified Polyclonal Antibody. The ND50 is typically 0.5-2.0 µg/mL.

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