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HIGH PERFORMANCE ANTIBODIES ... AND MORE

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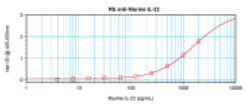
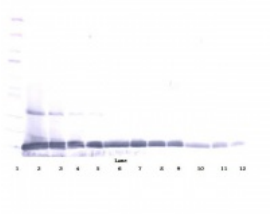
IL-22 Antibody

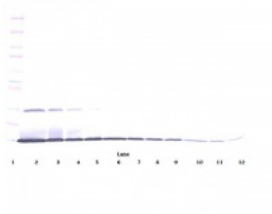
CATALOG NUMBER: 38-149



To detect mIL-22 by sandwich ELISA (using 100 ul/well antibody solution) a concentration of 0.5 - 2.0 ug/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with ProSci's Biotinylated Anti-Murine IL-22 (38-150) as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant mIL-22.



To detect mIL-22 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 ug/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant mIL-22 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.



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Specifications

SPECIES REACTIVITY:	Mouse
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	ELISA: Direct: To detect mIL-22 by indirect ELISA (using 100 uL/well antibody solution) a concentration of 0.5 - 2.0 ug/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2 - 0.4 ng/well of recombinant mIL-22. Sandwich To detect mIL-22 by sandwich ELISA (using 100 uL/well antibody solution) a concentration of 0.5 - 2.0 ug/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with our biotinylated Anti-Murine IL-22 as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant mIL-22. Western Blot: To detect mIL-22 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 ug/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant mIL-22 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
USER NOTE:	Centrifuge vial prior to opening.
IMMUNOGEN:	Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant mIL-22. Murine IL-22 specific antibody was purified by affinity chromatography employing immobilized mIL-22 matrix.
HOST SPECIES:	Rabbit

Properties

PHYSICAL STATE:	Lyophilized
STORAGE CONDITIONS:	IL-22 antibody is stable for at least 2 years from date of receipt at -20˚C. The reconstituted antibody is stable for at least two weeks at 2-8˚C. Frozen aliquots are stable for at least 6 months when stored at -20˚C. Avoid repeated freeze-thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	IL-22, Iltif, IL-22a, ILTIFa, Il22a, Iltifa, Interleukin-22, IL-10-related T-cell-derived-inducible factor, IL-22
ACCESSION NO.:	Q9JJY9
PROTEIN GI NO.:	17366895
OFFICIAL SYMBOL:	Il22
GENE ID:	50929

Background

BACKGROUND:	A novel cytokine was recently identified in human and mouse and designated IL-21, which has significant homology to IL-2, IL-4, and IL-15. The receptor for IL-21 (IL-21R, also termed NILR for novel Interleukin receptor) is a new member of the class I cytokine receptor family. IL-21R forms a complex with the common cytokine receptor g chain, gc, and mediates IL-21 signaling. IL-21 and its receptor activate JAK-STAT signaling pathway. IL-21 is expressed in activated T cells, and HL-60 and THP-1 cell lines. IL-21 plays a role in the proliferation and maturation of NK, B and T cell populations.

FOR RESEARCH USE ONLY

December 13, 2016