Product Datasheet

IL-12 Antibody - Low Endotoxin, Azide and BSA Free
NB600-1443

Unit Size: 0.1 mg

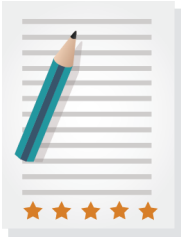
Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB600-1443

Updated 9/9/2025 v.20.1



NB600-1443

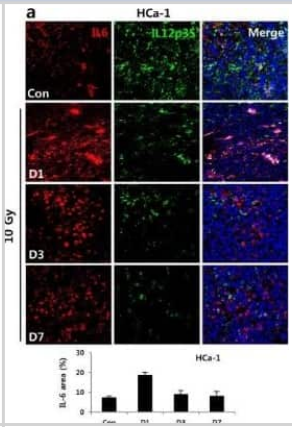
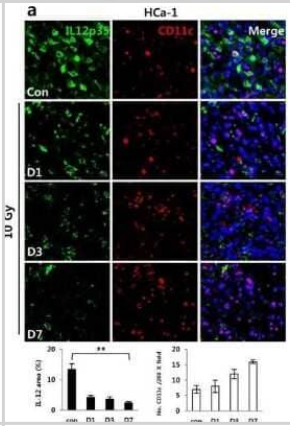
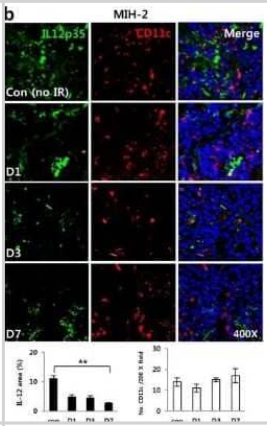
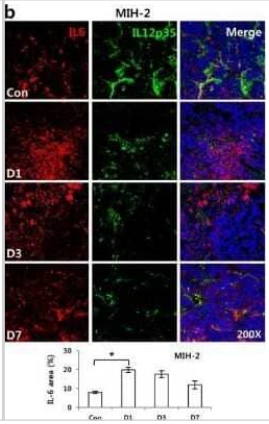
IL-12 Antibody - Low Endotoxin, Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Protein G purified
Buffer	Lyophilized from 0.2 um-filtered solution in phosphate buffered saline containing carbohydrates.

Product Description	
Description	Novus Biologicals Goat IL-12 Antibody - Low Endotoxin, Azide and BSA Free (NB600-1443) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-IL-12 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	3592
Gene Symbol	IL12A
Species	Mouse
Specificity/Sensitivity	Based on ELISA, the antibody shows ~10% cross-reactivity with recombinant human IL-12 and <5% cross-reactivity with recombinant porcine IL-12.
Immunogen	Purified, insect cell line Sf21-derived, recombinant mouse IL-12
Endotoxin Note	Endotoxin: <10 ng/vial by LAL method

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Neutralization
Recommended Dilutions	Western Blot 1-2 ug/ml, ELISA 0.5-1 ug/ml, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:10-1:500, Neutralization
Application Notes	ELISA: Sensitivity = 0.2 ng/well Neut: Achieving half of the neutralizing dose of a 0.3 ng/ml concentration of Mouse IL12 requires 0.012-0.2 ug/ml. WB: Predicted molecular weight: 39.4 kDa. Sensitivity = 1.5-3.0 ng/lane. Use in Immunohistochemistry on paraffin sections was reported in a scientific publication (PMID: 23666011). Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID: 26745884).

Images

Immunohistochemistry: IL-12 Antibody [NB600-1443] - Irradiation-induced IL-6 suppressed IL-12 expression in tumors of hepatoma-bearing mice in vivo and DCs in vitro. IL-6 and IL-12 were measured at 1, 3, and 7 days after 10 Gy irradiation of tumors. Shown are the expressions of IL-6 and IL-12 in HCa-1 tumors (* P < 0.05). BMDCs were prepared from bone marrow of mice and stimulated with LPS. Image collected and cropped by CiteAb from the following publication (https://dx.plos.org/10.1371/journal.pone.0146463), licensed under a CC-BY license.	
Immunohistochemistry: IL-12 Antibody [NB600-1443] - Irradiation inhibited IL-12 expression in tumors of hepatoma-bearing mice in vivo and DCs in vitro. HCa-1 and MIH-2 cells were injected intramuscularly into the right thighs of the mice, and tumors were irradiated with 10 Gy of radiation. Shown are IL-12 and DC (CD11c+) expressions at 1, 3, and 7 days after irradiation in HCa-1 tumors in the spleens of HCa-1 bearing mice (** P < 0.01). Image collected and cropped by CiteAb from the following publication (https://dx.plos.org/10.1371/journal.pone.0146463), licensed under a CC-BY license.	
Immunohistochemistry: IL-12 Antibody [NB600-1443] - Irradiation inhibited IL-12 expression in tumors of hepatoma-bearing mice in vivo and DCs in vitro. HCa-1 and MIH-2 cells were injected intramuscularly into the right thighs of the mice, and tumors were irradiated with 10 Gy of radiation. Shown are IL-12 and DC (CD11c+) expressions at 1, 3, and 7 days after irradiation in MIH-2 tumors in the spleens of HCa-1 bearing mice (** P < 0.01). Image collected and cropped by CiteAb from the following publication (https://dx.plos.org/10.1371/journal.pone.0146463), licensed under a CC-BY license.	
Immunohistochemistry: IL-12 Antibody [NB600-1443] - Irradiation-induced IL-6 suppressed IL-12 expression in tumors of hepatoma-bearing mice in vivo and DCs in vitro.IL-6 and IL-12 were measured at 1, 3, and 7 days after 10 Gy irradiation of tumors. Shown are the expressions of IL-6 and IL-12 in MIH-2 tumors (* P < 0.05). BMDCs were prepared from bone marrow of mice and stimulated with LPS. Image collected and cropped by CiteAb from the following publication (https://dx.plos.org/10.1371/journal.pone.0146463), licensed under a CC-BY license.	

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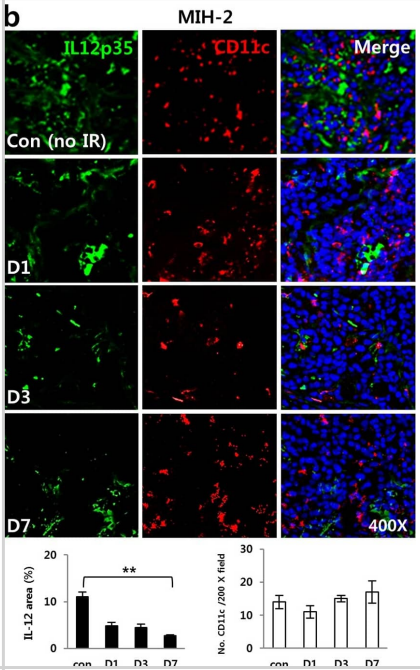

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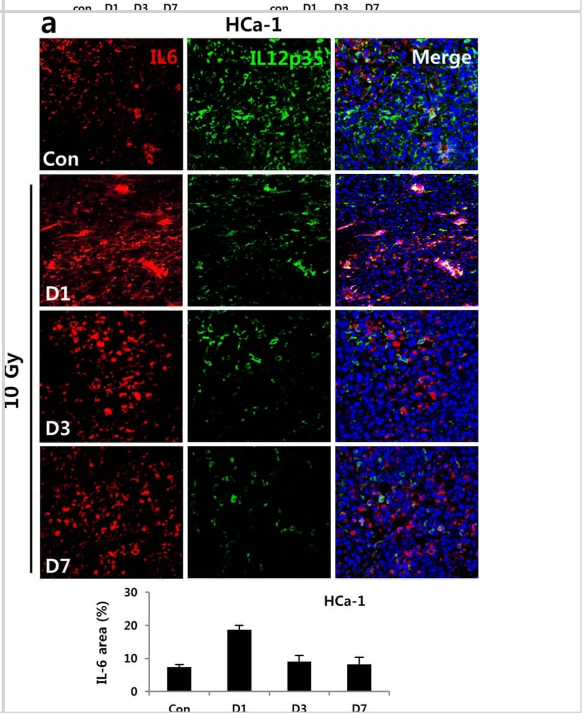

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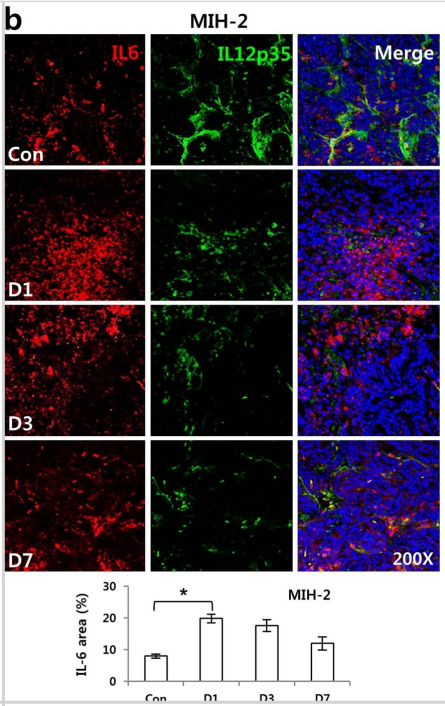

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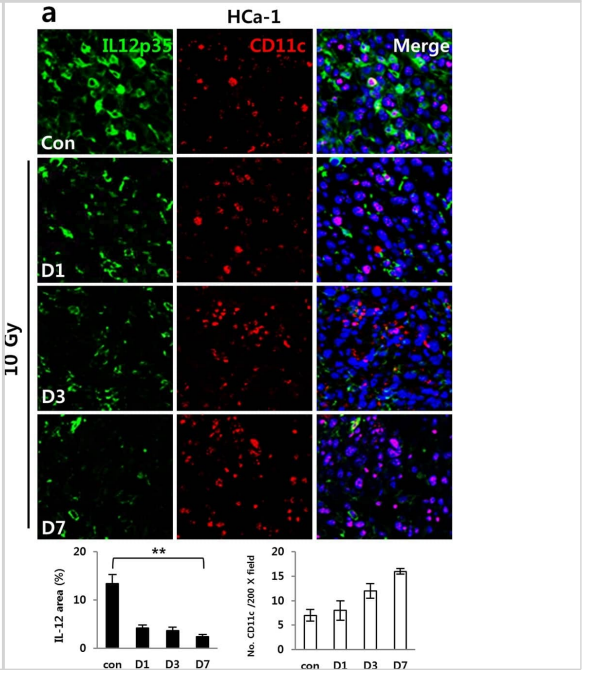

Publications

Zhang D, Chen Q, Bi Y et al. Bio-inspired poly-DL-serine materials resist the foreign-body response Nature communications 2021-09-07 [PMID: 34493717] (IF/IHC, Mouse)

Lee EJ, Lee SJ, Kim JH et al. Radiation Inhibits Interleukin-12 Production via Inhibition of C-Rel through the Interleukin-6/ Signal Transducer and Activator of Transcription 3 Signaling Pathway in Dendritic Cells. PLoS One 2016-01-08 [PMID: 26745884] (ICC/IF)

Zhang L, Cao Z, Bai T et al. Zwitterionic hydrogels implanted in mice resist the foreign-body reaction. Nat Biotechnol 2013-05-12 [PMID: 23666011] (IHC-P, Mouse)

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HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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