



# Anti-IL24 polyclonal antibody [Biotin] (DPABY-444)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Interleukin 24 (IL-24), also known as MDA-7 (melanoma differentiation associated gene-7), is a member of the IL-10 family of helical cytokines. When secreted, IL-24 is a 35- to 40-kDa phosphorylated glycoprotein that may exist as either a monomer or dimer. Cells known to express IL-24 include B cells, CD4+ T cells, NK cells, lymph node dendritic cells, monocytes, melanocytes, and melanoma cells. IL-24 binds two heterodimeric receptor complexes, IL-20 R alpha/IL-20 R beta and IL-22 R/IL-20 R beta.
<b>Specificity</b>	Detects human IL-24 in ELISAs and Western blots. In sandwich immunoassays, less than 0.2% cross-reactivity with recombinant mouse IL-24 is observed.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human IL-24 . Gln50-Leu206 Accession Number Q2YHE5
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen Affinity-purified
<b>Conjugate</b>	Biotin
<b>Applications</b>	Western Blot, ELISA Detection (Matched Pair)
<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.

<b>Preservative</b>	None
<b>Storage</b>	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <p>12 months from date of receipt, -20 to -70 °C as supplied.</p> <p>1 month, 2 to 8 °C under sterile conditions after reconstitution.</p> <p>6 months, -20 to -70 °C under sterile conditions after reconstitution.</p>

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">IL24 interleukin 24 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	IL24
<b>Synonyms</b>	IL24; interleukin 24; C49A; FISP; MDA7; MOB5; ST16; IL10B; interleukin-24; melanocyte-associated Mda-7; IL-4-induced secreted protein; melanoma differentiation-associated gene 7 protein; suppression of tumorigenicity 16 (melanoma differentiation);
<b>Entrez Gene ID</b>	<a href="#">11009</a>
<b>Protein Refseq</b>	<a href="#">NP_001172085</a>
<b>UniProt ID</b>	<a href="#">Q13007</a>
<b>Chromosome Location</b>	1q32
<b>Pathway</b>	Cytokine-cytokine receptor interaction; IL23-mediated signaling events; Jak-STAT signaling pathway; Senescence and Autophagy;
<b>Function</b>	cytokine activity;