



# Mouse anti-Human IL3RA polyclonal antibody (DPAB-DC1696)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this gene is an interleukin 3 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3 (IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5 (IL5). The binding of this protein to IL3 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL3. This gene and the gene encoding the colony stimulating factor 2 receptor alpha chain (CSF2RA) form a cytokine receptor gene cluster in a X-Y pseudoautosomal region on chromosomes X or Y. Alternatively spliced transcript variants encoding distinct isoforms have been found.
<b>Immunogen</b>	IL3RA (NP_002174, 19 a.a. ~ 109 a.a) partial recombinant protein with GST tag. The sequence is TKEDPNPPITNLRMKAKAQQLTWDLNRNVTDIECVKDADYSMPAVNNSYCQFGAISLCEV TNYTVRVANPPFSTWILFPENSGKPWAGAEN
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">IL3RA interleukin 3 receptor, alpha (low affinity) [ Homo sapiens (human) ]</a>
Official Symbol	IL3RA
Synonyms	IL3RA; interleukin 3 receptor, alpha (low affinity); IL3R; CD123; IL3RX; IL3RY; IL3RAY; hIL-3Ra; interleukin-3 receptor subunit alpha; IL-3RA; IL-3R-alpha; CD123 antigen; IL-3R subunit alpha; IL-3 receptor subunit alpha; IL-3 receptor alpha SP2 isoform;
Entrez Gene ID	<a href="#">3563</a>
Protein Refseq	<a href="#">NP_001254642</a>
UniProt ID	<a href="#">P26951</a>
Chromosome Location	Xp22.3 or Yp11.3
Pathway	Apoptosis; Cytokine Signaling in Immune system; Cytokine-cytokine receptor interaction; Hematopoietic cell lineage
Function	interleukin-3 receptor activity;