

## Product datasheet for **DM3566P**

### CD131 / CSF2RB (Extracell. Dom.) Rat Monoclonal Antibody [Clone ID: 42A7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	42A7
Applications:	WB
Recommended Dilution:	<b>Western Blot:</b> 1/500-1/1000.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2
Clonality:	Monoclonal
Immunogen:	Recombinant protein of IL-3Rbeta extracellular domain.
Specificity:	This antibody detects Mouse IL-3 R $\beta$ but <b>not</b> IL-3R $\alpha$ in Western blotting.
Formulation:	PBS State: Purified State: Lyophilized (0.2 $\mu$ m filtered) purified IgG fraction Stabilizer: None
Reconstitution Method:	Restore with 200 $\mu$ l sterile PBS and the final concentration is 500 $\mu$ g/ml.
Purification:	Protein A/G Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -70°C. Following reconstitution store the antibody (in aliquots) at -20°C for 6 months. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)
Database Link:	<a href="#">Entrez Gene 12983 Mouse P26955</a>



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**Background:**

IL3R common beta chain (IL3RB) is a member of the Ig superfamily and a type I transmembrane glycoprotein. The common beta subunit associates with the specific alpha subunits of IL3 receptor, IL5 receptor and GM-CSF receptor to form high affinity receptors for these cytokines. These cytokine receptors are expressed by neutrophils, eosinophils, monocytes, endothelial cells, fibroblasts and hematopoietic progenitor cells and play a crucial role in growth/activation of eosinophils and in the inflammatory response.

**Synonyms:**

IL3RB, IL5RB, GM-CSF-RB