



# Anti-IL2RA monoclonal antibody, clone K231.3B2 (CABT-48031MP)

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

## PRODUCT INFORMATION

### Product Overview

Mouse anti Pig CD25, clone K231.3B2 recognizes porcine CD25, the alpha chain of the interleukin 2 receptor (IL-2R $\alpha$ ), also known as the low affinity Interleukin 2 receptor. The IL-2 receptor exists in three forms, the high affinity heterodimer, the intermediate affinity  $\beta$  monomer and the low affinity  $\alpha$  monomer configurations. Clone K231.3B2 was clustered as CD25 at the First International Workshop to Define Swine Cluster of Differentiation (CD) Antigens. Mouse anti pig CD25, clone K231.3B2 immunoprecipitates a protein of ~65-70kDa from activated lymphocyte preparations. CD25 is a 270 amino acid single pass type I transmembrane glycoprotein containing 2 Sushi domains. Low expression of CD25 is seen on resting peripheral blood mononuclear cells, rapidly up-regulated following stimulation by concanavalin A and phorbol myristate acetate, indicative of its role as an activation antigen. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.

<b>Specificity</b>	IL2RA
<b>Immunogen</b>	Con A activated porcine peripheral blood lymphocytes.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Pig
<b>Clone</b>	K231.3B2
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-Fr; FC; IF; IP
<b>Format</b>	Tissue Culture Supernatant - liquid

<b>Size</b>	2 ml
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">IL2RA interleukin 2 receptor, alpha [ Sus scrofa (pig) ]</a>
<b>Official Symbol</b>	IL2RA
<b>Synonyms</b>	IL2RA; CD25; interleukin-2 receptor subunit alpha; IL2-RA; IL-2-RA; IL-2R subunit alpha; IL-2 receptor subunit alpha; interleukin-2 receptor alpha chain;
<b>Entrez Gene ID</b>	<a href="#">396814</a>
<b>Protein Refseq</b>	<a href="#">NP_999000</a>
<b>UniProt ID</b>	O02733
<b>Chromosome Location</b>	chromosome: 10
<b>Pathway</b>	Cytokine Signaling in Immune system; Cytokine-cytokine receptor interaction; Endocytosis; HTLV-I infection; Hematopoietic cell lineage; Immune System; Interleukin receptor SHC signaling; Interleukin-2 signaling;
<b>Function</b>	interleukin-2 binding; interleukin-2 receptor activity;