| Catalog Number | Vial Size |
| :---: | :---: |
| M11261－14B | $50 \mu \mathrm{~g}$ |
| M11261－14E | $500 \mu \mathrm{~g}$ |
| M11261－14F | 1 mg |

Market $\mid$ 400－621－0003
marketing＠sungenebiotech．com
Support｜022－66211636－8024
techsupport＠sungenebiotech．com
Web \｜www．sungenebiotech．com

Important Note：Centrifuge before opening to ensure complete recovery of vial contents． This product is guaranteed up to one year from purchase．

## Purified Antibody Characterization

| Clone | Isotype | Reactivity |
| :---: | :---: | :---: |
| 15A7 | Rat IgG2b | Mouse |

## Description

CD126 is an $80 \mathrm{kD} \mathrm{IL}-6$ receptor chain also known as IL－6R．It is a member of the immunoglobulin superfamily that is expressed on activated $T$ and $B$ cells，monocytes，hepatocytes，and plasma cells．High affinity IL－6 receptors are formed by the non－covalent association of CD126 and the IL－6 receptor $\beta$ chain（CD130 or gp130）．CD126 binds IL－6 with low affinity，but does not signal．The $\beta$ chain（gp130，CD130）does not bind IL－6 by itself，but associates with the $\alpha$－chain／IL－6 complex to initiate signal transduction．IL－6 binding to the receptor complex results in the stimulation of $B$ and $T$ cells，and hematopoietic precursor proliferation and differentiation． The 15A7（D7715A7）antibody blocks IL－6／LL－6 receptor interactions．

## Reported Applications

This 15A7 antibody has been reported for use in Flow Cytometric Analysis，Immunoprecipitation，Neutralization and Block．

## Product Information

Production Method：Stirred tank fermentation
Medium：Hybridoma－SFM＋1\％FCS＋GIn＋ Gluc＋P／S

Purification Method：Protein G
Concentration： $1 \mathrm{mg} / \mathrm{ml}$
Endotoxin：＜2．00 EU／mg（LAL）
Purity：＞95\％（by SDS－PAGE）
Sterile： $0.2 \mu \mathrm{~m}$ Filtration
Formulated：PBS，pH7．2
Storage：Keep as concentrated solution．Store at $4^{\circ} \mathrm{C}$ as an undiluted liquid．For extended storage aliquot contents and freeze at－ $20^{\circ} \mathrm{C}$ or lower．Avoid cycles of freezing and thawing．

## For Research Use Only．

