

## Anti-IL-6R Antibody-PE (5X839)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse
Conjugation:	PE
Clone:	5X839
Purification:	Protein A

## Applications

Verified Activity:	Flow cytometric analysis of Mouse IL-6R expression on BABL/c splenocytes. Cells were stained with PE-conjugated anti-Human Mouse IL-6R. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.
Application:	FCM
Recommended	10 µl/Test, 0.1 mg/ml

## Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Mouse IL-6R / CD126 protein (TMPY-01214)
Antigen Species:	Mouse
Synonyms:	interleukin 6 receptor;IL-6R;IL-6R-1;IL6RA;IL6RQ;gp80;IL-6RA;CD126;IL6Q
Biology Area:	Neuroinflammation

## Research Background

Interleukin 6 receptor (IL-6R) also known as CD126 (Cluster of Differentiation 126) is a type I cytokine receptor. The low concentration of a soluble form of IL-6 receptor (sIL-6R) acts as an agonist of IL-6 activity. In the IL-6R/CD126/IL6R system, both a membrane-bound IL-6R and a sIL-6R protein can mediate IL-6 signals into the cells through the interaction of gp130. The resulting IL-6/sIL-6R protein complex is also capable of binding to gp130 and inducing intracellular signaling. Through this so-called 'trans-signaling' mechanism, IL-6 can stimulate cells that lack an endogenous mIL-6R. High levels of IL-6 and sIL-6R have been reported in several chronic inflammatory and autoimmune diseases as well as in cancer. Cancer Immunotherapy/Immune Checkpoint Immunotherapy/Targeted Therapy

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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