

Anti-IL-6R Antibody (5X839)

Product Details

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

Applications

Verified Activity:	Flow cytometric analysis of Mouse IL6Ra(CD126) expression on BABL/c splenocytes. Cells were stained with purified anti-Mouse IL6Ra(CD126), then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.
Application:	ELISA(Cap),FCM
Recommended	FCM: 1:25-1:100; ELISA(Cap): 1:250-1:2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

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