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Mouse Anti-Human IL-15 Monoclonal Antibody Datasheet

Product Name: mAb anti-Human IL-15 Cl		lone No.: 5E8	
Catalogue No.: MO-C40095A Q		uantity:	
Description:	Mouse monoclonal antibody to human interleukin-15 (IL-15)		and thus some overlapping functions in stimulating T-cell proliferation and
Product Type:	Primary antibody, capture antibody in matched antibody pair		cytokine secretion. However, both cytokines have its own specific receptor α (IL-15R α or IL-2R α) that links to
Purification:	Protein G affinity purified		distinct signaling pathways. For example, IL-15 can inhibit self-tolerance
Target Protein:	Human IL-15		mediated by IL-2 mediated activation- induced T cell death, and promote CD8+
Immunogen: Fusion	Purified recombinant human IL-15 SP2/0		memory T-cell survival. Increased IL-15 expression has been reported in patients
Myeloma:	51 270		with psoriasis and other inflammatory autoimmune diseases.
Specificity:	Reactive with human IL-15		IL-15 exists as soluble form, as well as
Species Reactivity:	Human, others not tested		membrane-bound form in which it could be directly bound to the cellular membrane or presented by IL-15Rα
Host / Isotype:	Mouse, IgG1 Kappa		receptor. The main mechanism of IL-15
Formulation:	Lyophilized from a solution in 0.01M PBS, pH 7.0		signaling is trans-presentation which is initiated by IL-15 binding to IL-15Rα. The IL-15/IL-15Rα complex subsequently
Reconstitution:	Double distilled water is recommended to reconstitute the antibody to 1mg/ml		presents IL-15 to surrounding cells bearing IL-15Rβγc complex on their cell surface.
Storage:	Store at -20°C		Recent research showed that combined
Research Area:	Cytokine. Inflammatory diseases		activation with IL-12, IL-15, and IL-18 can induce memory-like natural killer (NK) cells that live longer and exhibit
Background:	Interleukin (IL)-15 is an inflammatory cytokine that can induce tumor-necrosis factor- α , IL-1 β and inflammatory chemokines. It acts on T cells and		enhanced functionality when they encounter a secondary stimulation. The progress has led to increased interest in using IL-15 for cancer therapy.
	natural killer cells through receptors on these cells. IL-15 and IL-2 share commor receptor β and γ units (IL-15/IL-2R $\beta\gamma$ c)	Applications:	Sandwich ELISA: In combination with human IL-15 detection antibody (clone
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> B1H6, Cat. No.: MO-C40095B), this IL-15 antibody clone 5E8 can be used as capture antibody in Sandwich ELISA application for quantitative measurement of IL-15. The standard curve range is 1000 pg/mL to 15.6 pg/mL.

References:If research is published using this
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