



Datasheet for ABIN1383944

anti-IL-6 antibody

3 Images

56 Publications



[Go to Product page](#)

Overview

Quantity:	500 µL
Target:	IL-6 (IL6)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IL-6 antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS), Functional Studies (Func), ELISpot

Product Details

Immunogen:	Recombinant human IL-6, Myeloma X63/AG.8653 x Balb/c spleen cells
Clone:	B-E8
Isotype:	IgG1 kappa
Specificity:	Recognises both natural and recombinant human IL-6
Purification:	Ion exchange chromatography
Sterility:	0.22 µm filtered
Biological Activity Comment:	Inhibits IL-6 induced proliferation on XG1 Cell line

Target Details

Target:	IL-6 (IL6)
Alternative Name:	IL-6 (IL6 Products)

Target Details

Pathways: [TLR Signaling](#), [Hormone Transport](#), [Negative Regulation of Hormone Secretion](#), [Myometrial Relaxation and Contraction](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Regulation of Carbohydrate Metabolic Process](#), [Autophagy](#), [Cell RedoxHomeostasis](#), [Cancer Immune Checkpoints](#), [Inflammasome](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Phosphate-buffered saline. Sterile-filtered through 0.22 µm. Carrier and preservative free

Preservative: Without preservative

Storage: 4 °C

Storage Comment: Stable at +2-8°C for 12 months. For longer storage freeze aliquots.

Publications

Product cited in: Sprynski, Hose, Caillot, Réme, Shaughnessy, Barlogie, Seckinger, Moreaux, Hundemer, Jourdan, Meissner, Jauch, Mahtouk, Kassambara, Bertsch, Rossi, Goldschmidt, Klein: "The role of IGF-1 as a major growth factor for myeloma cell lines and the prognostic relevance of the expression of its receptor." in: **Blood**, Vol. 113, Issue 19, pp. 4614-26, (2009) ([PubMed](#)).

Adam, Rabe, Suthaus, Grötzinger, Rose-John, Scheller: "Unraveling viral interleukin-6 binding to gp130 and activation of STAT-signaling pathways independently of the interleukin-6 receptor." in: **Journal of virology**, Vol. 83, Issue 10, pp. 5117-26, (2009) ([PubMed](#)).

Moreau, Garban, Attal, Michallet, Marit, Hulin, Benboubker, Doyen, Mohty, Yakoub-Agha, Leyvraz, Casassus, Avet-Loiseau, Garderet, Mathiot, Harousseau: "Long-term follow-up results of IFM99-03 and IFM99-04 trials comparing nonmyeloablative allotransplantation with autologous transplantation in high-risk de novo multiple myeloma." in: **Blood**, Vol. 112, Issue 9, pp. 3914-5, (2008) ([PubMed](#)).

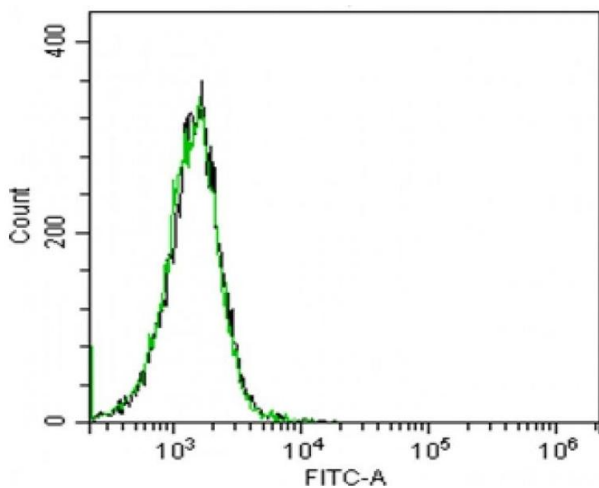
Garban, Attal, Michallet, Hulin, Bourhis, Yakoub-Agha, Lamy, Marit, Maloisel, Berthou, Dib, Caillot,

Deprijck, Ketterer, Harousseau, Sotto, Moreau: "Prospective comparison of autologous stem cell transplantation followed by dose-reduced allograft (IFM99-03 trial) with tandem autologous stem cell transplantation (IFM99-04 trial) in high-risk de novo multiple myeloma." in: **Blood**, Vol. 107, Issue 9, pp. 3474-80, (2006) ([PubMed](#)).

Moreau, Hullin, Garban, Yakoub-Agha, Benboubker, Attal, Marit, Fuzibet, Doyen, Voillat, Berthou, Ketterer, Casassus, Monconduit, Michallet, Najman, Sotto, Bataille, Harousseau: "Tandem autologous stem cell transplantation in high-risk de novo multiple myeloma: final results of the prospective and randomized IFM 99-04 protocol." in: **Blood**, Vol. 107, Issue 1, pp. 397-403, (2005) ([PubMed](#)).

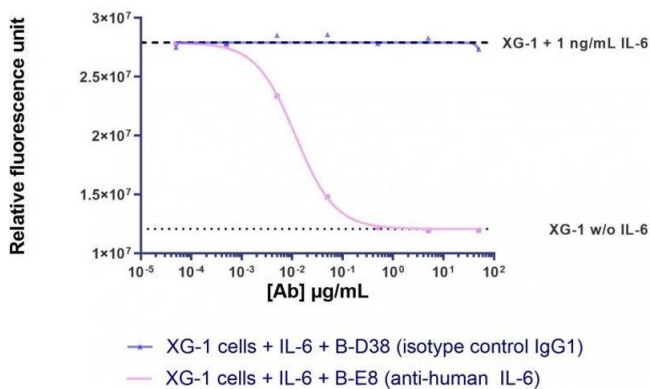
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Images



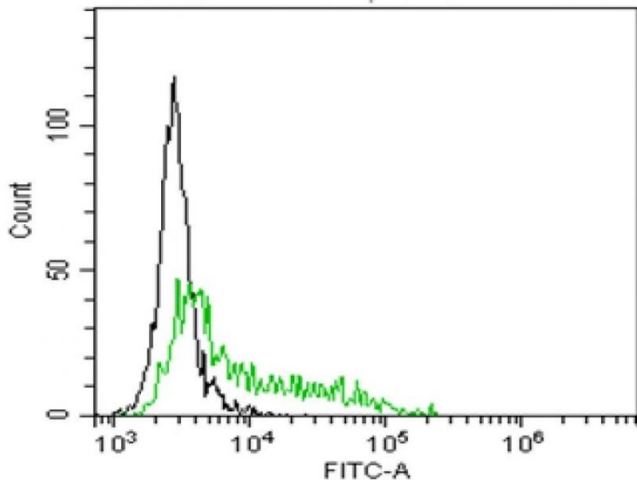
Flow Cytometry

Image 1. B-E8 with non-activated monocytes In the two cases, the dotted line represents the IgG1 isotype control



Functional Studies

Image 2. XG1 cell proliferation measurement with resazurin after 96 hours with IL-6 (1ng/ml) and different concentrations of antibody.



Flow Cytometry

Image 3. Activated monocytes marked with B-E8