



Peninsula Laboratories, LLC

A Member of the Bachem Group

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Monoclonal Antibody To Human IL-16 Interleukin 16, Leukocyte Chemotactic Factor (LCF)

The leukocyte chemotactic factor (LCF) or interleukin-16 is a proinflammatory cytokine and natural soluble ligand to the human CD4 molecule. LCF is produced by CD4+ and CD8+ T lymphocytes and is considered essential to the influx of CD4+ T lymphocytes and macrophages into an inflammatory lesion. LCF has been detected in lymphocytes and microglial cells of multiple sclerosis lesions. A large neuronal precursor (NIL-16) has recently been identified which can be detected in the cytosol of neurons in the cerebellum and hippocampus.

Product Number:	T-1422
Clone:	G11/II
Host species, isotype:	Mouse IgG1
Quantity:	200µg
Format:	Affinity purified, liquid
	Supplied as 0.2ml solution. This stock solution contains 1mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), no stabilizer and 0.1% sodium azide as a preservative.
Stability:	Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
Applications:	Tested for immunohistochemistry (IHC); has been described to work in ELISA, Western Blots. Approximate working dilution for IHC: Frozen sections: not tested Paraffin sections: 2.5-5µg/ml (1:200 - 1:400); microwave pretreatment in citrate buffer is recommended for antigen retrieval. Optimal dilutions should be determined by the end user. Suggested positive control: Human spleen.
Immunogen:	Recombinant human IL-16.
Antigen, epitope:	G11/II detects LCF, a homotetrameric glycoprotein of 56kDa molecular weight that is composed of four noncovalently linked peptides of 14 kDa.



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Specificity:

Human: LCF (IL-16).

Other species: not tested.

Selected references

Schluesener, H.J. et al.: Leukocyte chemotactic factor, a natural ligand to CD4, is expressed by lymphocytes and microglial cells of the MS plaque. *J. Neurosci. Res.* **44**: 606 - 11 (1996)

Kurschner, C. & Yuzaki, M.: Neuronal interleukin-16 (NIL-16): a dual function PDZ domain protein. *J. Neurosci.* **19**: 7770 - 80 (1999)

For in vitro research only. Caution: this product contains sodium azide, a poisonous and hazardous substance.