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Efalizumab

Cat. No.:	HY-P9947
CAS No.:	214745-43-4
Target:	Integrin
Pathway:	Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Efalizumab is a targeted T cell modulator, and is a humanized monoclonal antibody of CD11a, the α subunit of LFA-1. Efalizumab inhibits T cell activation, cutaneous T cell trafficking, and T cell adhesion to keratinocytes, can be used for plaque psoriasis research ^[1] .
In Vitro	Efalizumab (78 ng/mL-5 mg/mL) induces a leukocytosis and downregulates LFA-1 expression on T cells in the peripheral blood ^[3] . Efalizumab (78 ng/mL-5 mg/mL) downregulates plate-bound, anti-CD3-stimulated proliferation of PBMC ^[3] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Efalizumab shows side effects include bacterial sepsis, viral meningitis, invasive fungal disease and progressive multifocal leukoencephalopathy (PML), a brain infection caused by reactivation of latent JC virus infection ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Leonardi CL. Efalizumab: an overview. *J Am Acad Dermatol*. 2003 Aug;49(2 Suppl):S98-104.
- [2]. Berger JR, et al. Monoclonal antibodies and progressive multifocal leukoencephalopathy. *MAbs*. 2009 Nov-Dec;1(6):583-9.
- [3]. Koszik F, et al. Efalizumab modulates T cell function both in vivo and in vitro. *J Dermatol Sci*. 2010 Dec;60(3):159-66.

Caution: Product has not been fully validated for medical applications. For research use only.

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