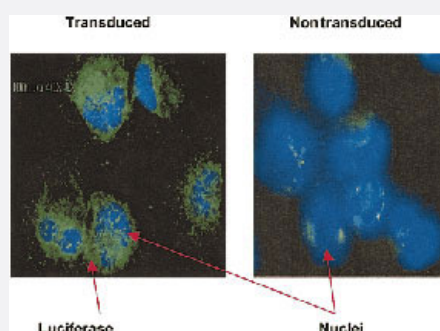


Luciferase monoclonal antibody, clone Luci 21 1-107

Catalog # MAB2322 Size 100 uL

Applications

Immunofluorescence



Detection of luciferase expression in CD34+ cells by immunohistochemistry. Cytospin slides prepared from transduced CD34+ cells after 3 days of culture were stained with Luciferase monoclonal antibody, clone Luci 21 1-107 (Cat # MAB2322).

Luciferase-positive cells have green cytoplasm; nuclei stained with DAPI are blue.

Nontransduced, cultured CD34+ cells were used as a negative control.

Original magnification, x 40.

Wang, X. et al., Dynamic tracking of human hematopoietic stem cell. Blood. 102 (10) : 3478-3482, 2003.

Specification

Product Description	Mouse monoclonal antibody raised against native luciferase.
Immunogen	Native purified luciferase protein from firefly, <i>Photinus pyralis</i> .
Host	Mouse
Theoretical MW (kDa)	61
Reactivity	Firefly
Specificity	This antibody recognizes a band at ~61 KDa on Western Blot. specific to luciferase, recognizing a peptide consisting of the first 258 amino acids. Further epitope mapping has not been done at this time.
Form	Liquid
Isotype	IgG1, kappa

Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In buffer containing 0.09% sodium azide
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

- Immunofluorescence

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Publication Reference

- [Inducible alterations of glutathione levels in adult dopaminergic midbrain neurons result in nigrostriatal degeneration.](#)

Chinta SJ, Kumar MJ, Hsu M, Rajagopalan S, Kaur D, Rane A, Nicholls DG, Choi J, Andersen JK.

Journal of Neuroscience 2007 Dec; 27(51):13997.

Application: IHC, Mouse, Mouse brain

- [Imaging of mesenchymal stem cell transplant by bioluminescence and PET.](#)

Love Z, Wang F, Dennis J, Awadallah A, Salem N, Lin Y, Weisenberger A, Majewski S, Gerson S, Lee Z.

Journal of Nuclear Medicine 2007 Dec; 48(12):2011.

Application: Flow Cyt, Human, Human mesenchymal stem cells, K562 cells

- [p53 short peptide \(p53pep164\) regulates lipopolysaccharide-induced tumor necrosis factor-alpha factor/cytokine expression.](#)

Tang X, Molina M, Amar S.

Cancer Research 2007 Feb; 67(3):1308.

Application: WB-Tr, Human, H1299 cells

- [The predominance of one of the SR-BI isoforms is associated with increased esterified cholesterol levels not apoptosis in mink testis.](#)

Akpovi CD, Yoon SR, Vitale ML, Pelletier RM.

Journal of Lipid Research 2006 Oct; 47(10):2233.