

Docket #: S99-179

Mouse Model for Phosphodiesterase (PDE4B) Deficiency

This mouse model of phosphodiesterase deficiency was developed using homologous recombination to knock-out the gene for PDE4B. The mice have a null PDE4B gene on C57BL/6 x 129/OLA background. Based on the known function of PDE4, these mice would be useful in studying inflammation, female reproduction, and learning and memory.

This mouse model can be used to identify pharmaceutically useful substances that target phosphodiesterases.

Publications

- [Nonredundant function of phosphodiesterases 4D and 4B in neutrophil recruitment to the site of inflammation.](#) *J Immunol.* 2004 Dec 15;173(12):7531-8.

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