

XCR1 IRES MCHERRY-HCRE MOUSE STRAIN

[Durai, Vivek, Murphy, Kenneth, Murphy, Theresa](#)

[Zou, Dianxiong](#)

T-019142

Xcr1 IRES mCherry-hCre Mouse Strain

This genetically modified mouse strain expresses the fluorescent marker mCherry and a human codon optimized Cre in the same transcript as the chemokine receptor XCR1. XCR1 is specifically expressed in cDC1s, allowing specific deletion of genes in and the fluorescent marking of this population. This provides advantages over existing mouse strains as it allows for more detailed analysis of this specific population without deleting genes in other closely related lineages.