

# Anti-human Lin28 Monoclonal Antibody

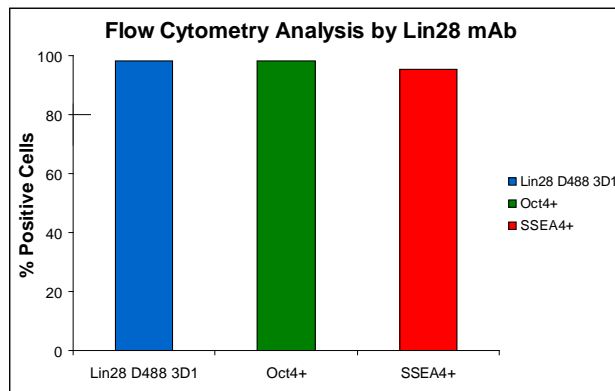
## 1. Overview

Primorigen Bioscience's anti-human Lin28 monoclonal antibodies (mAb) are validated for use in flow cytometry and immunofluorescence (IF) applications. These antibodies can be used to monitor the relative expression of Lin28 when conjugated to appropriate dyes for analysis. These murine derived monoclonal antibodies were generated using synthetic peptide immunogens, either within 50 bases of N-terminus (clones 3D1 and 4C9) or located near the center of Lin28a (clone 3G10).

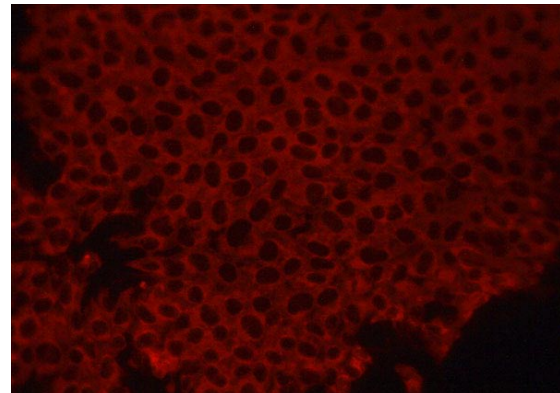
## 2. Experimental Description & Data

For flow cytometry, anti-Lin28 mAbs 3D1, 3G10 and 4C9 were directly conjugated with either DyLight® 488 or DyLight® 594. Pluripotent iPS cells were maintained and passaged using Primorigen Bioscience's StemAdhere™ defined pluripotency matrix. After 5 passages, the iPS cells were fixed and stained for Oct4 (BD Biosciences #560186), SSEA4 (R&D Systems #FAB1435A), and Lin28 DyLight® 488 then analyzed by flow cytometry.

For indirect immunofluorescence, pluripotent iPS cells were plated on BD Matrigel™-coated coverslips, fixed, and stained with unconjugated 3D1, 3G10 or 4C9. Bound primary antibodies were detected by Alexa-Fluor® 555-conjugated goat-anti-mouse secondary antibody.



After 5 passages, the iPS cells were stained for Oct4, SSEA4, and Lin28 DyLight® 488 3D1 then analyzed by flow cytometry.



Indirect immunofluorescence of iPS cells plated on BD Matrigel™-coated coverslips, fixed, and stained with unconjugated 3D1 and then detected by Alexa-Fluor® 555-conjugated goat-anti-mouse secondary antibody.

## 3. Product Information

The antibodies are currently available unconjugated:

Clone 3D1: Product # S2110-100UG

Clone 3G10: Product # S2109-100UG

Clone 4C9: Product # S2090-100UG