

Supporting Information

***In Vivo* Tracking of Phagocytic Immune Cells using a Dual Imaging Probe with Gadolinium-enhanced MRI and Near-infrared Fluorescence**

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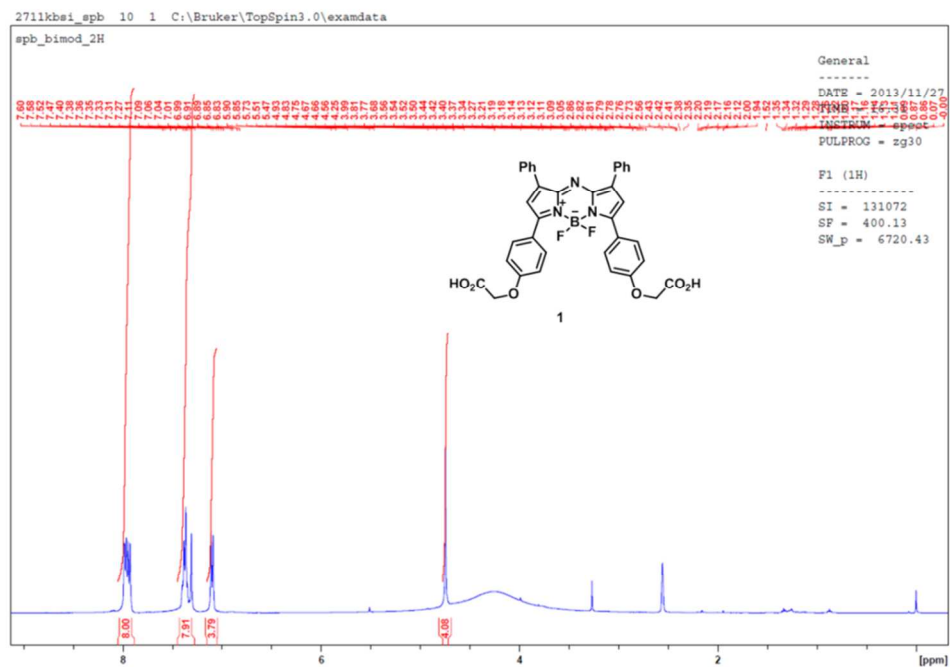


Figure S1. ^1H -NMR spectrum of 1 in DMSO-d_6 .

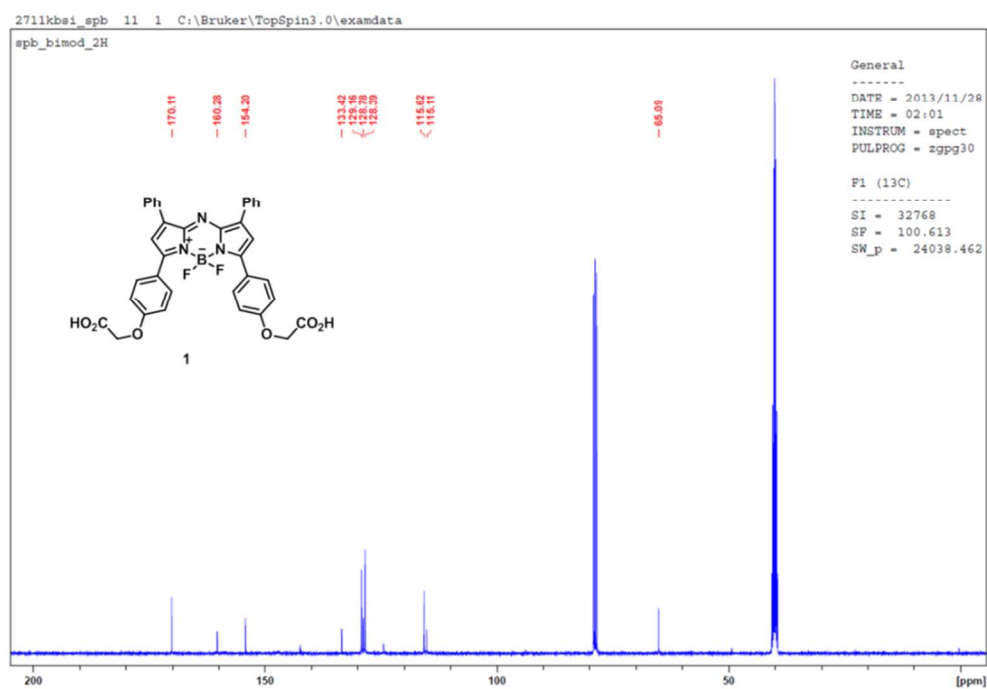


Figure S2. ^{13}C -NMR spectrum of 1 in DMSO-d_6 and CDCl_3 .

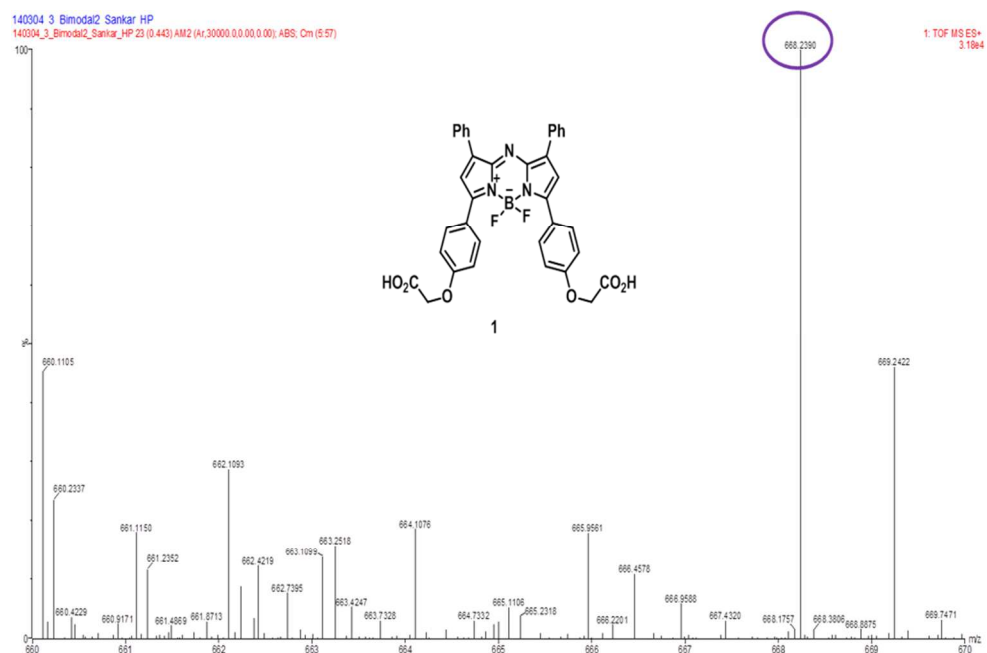


Figure S3. MS spectrum of **1**.

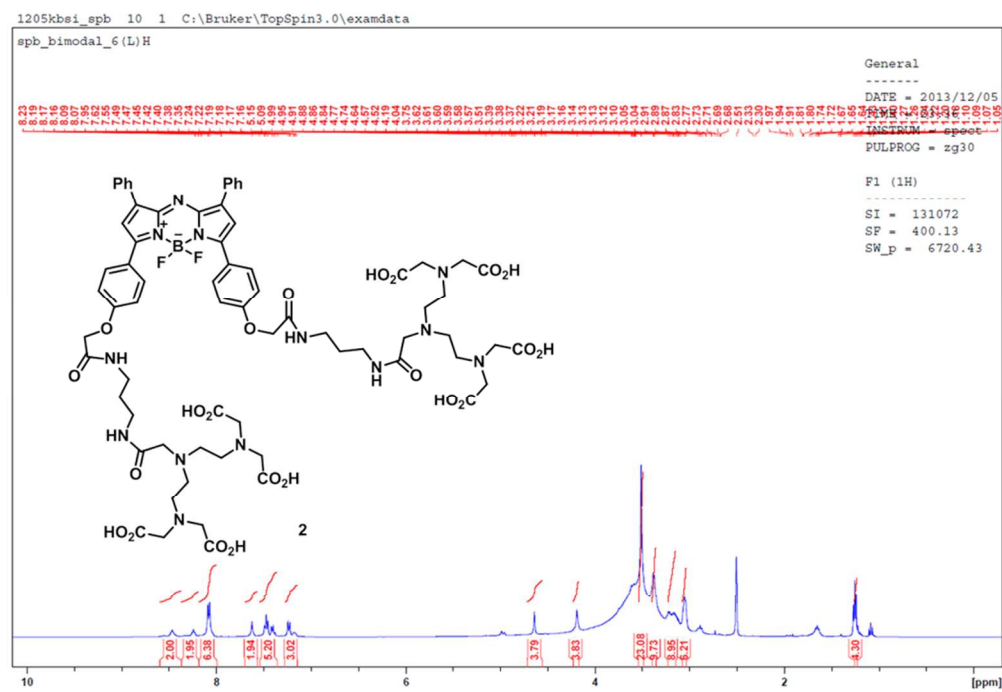


Figure S4. ^1H -NMR spectrum of **2** in DMSO-d_6 .

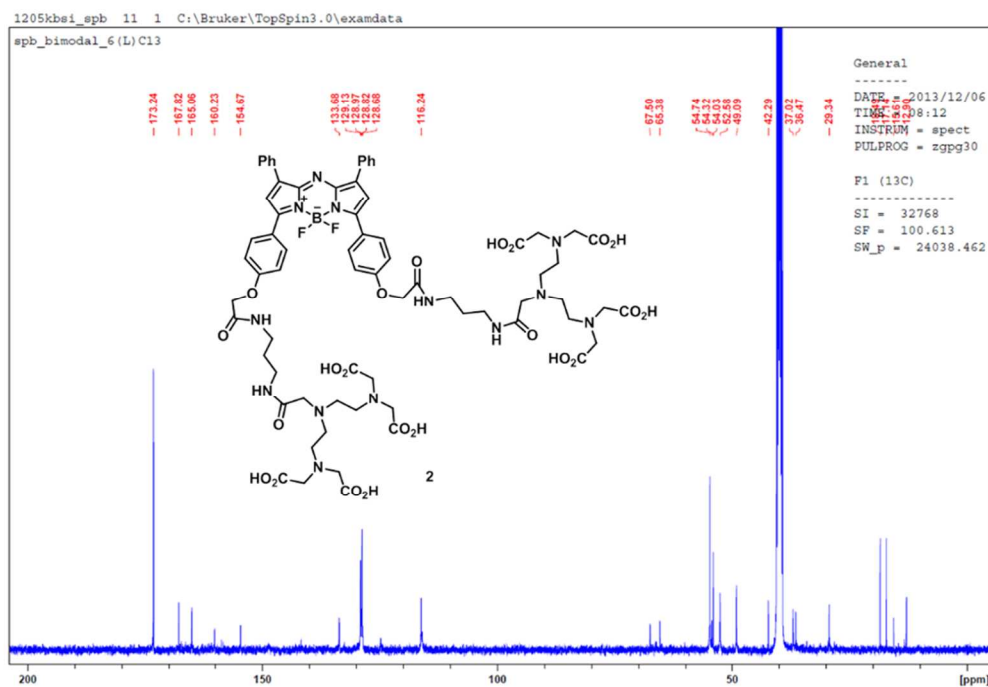


Figure S5. ^{13}C -NMR spectrum of 2 in DMSO-d_6 .

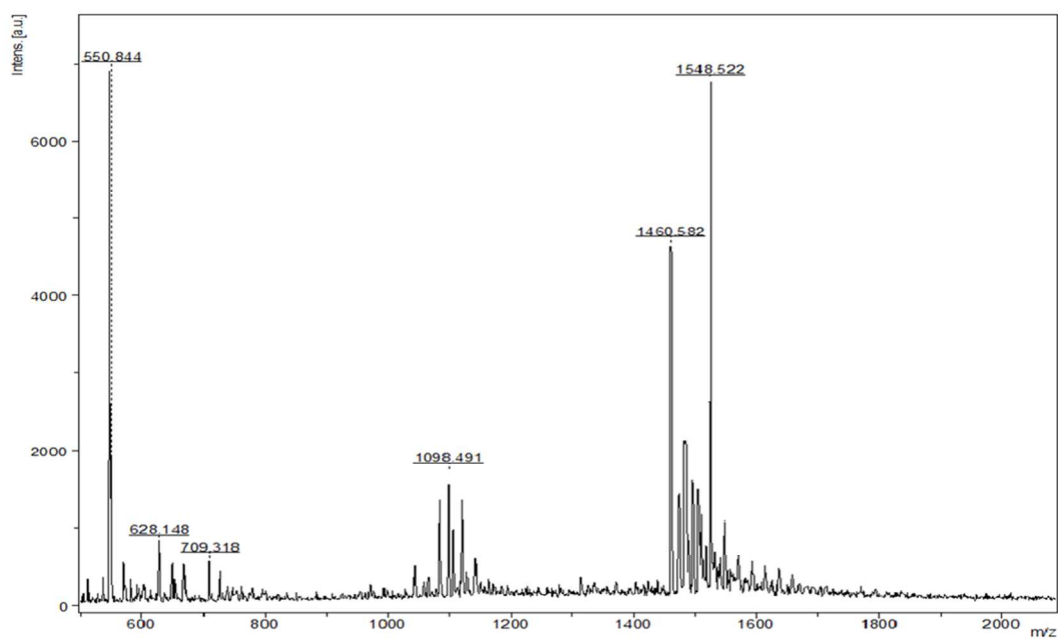


Figure S6. MALDI-MS of 2.

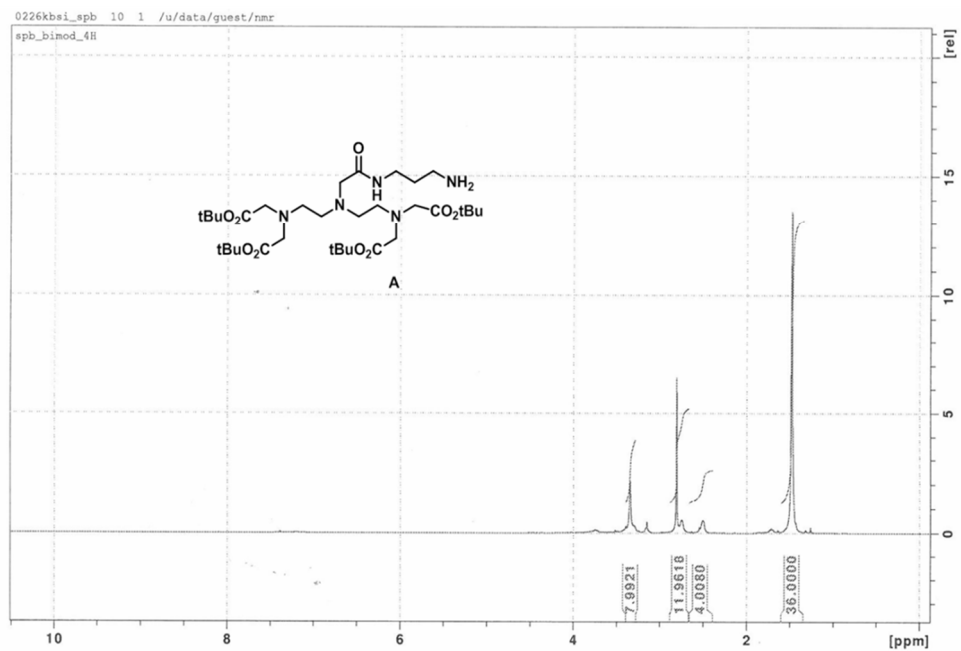


Figure S7. ¹H-NMR spectrum of **a** in CDCl₃.

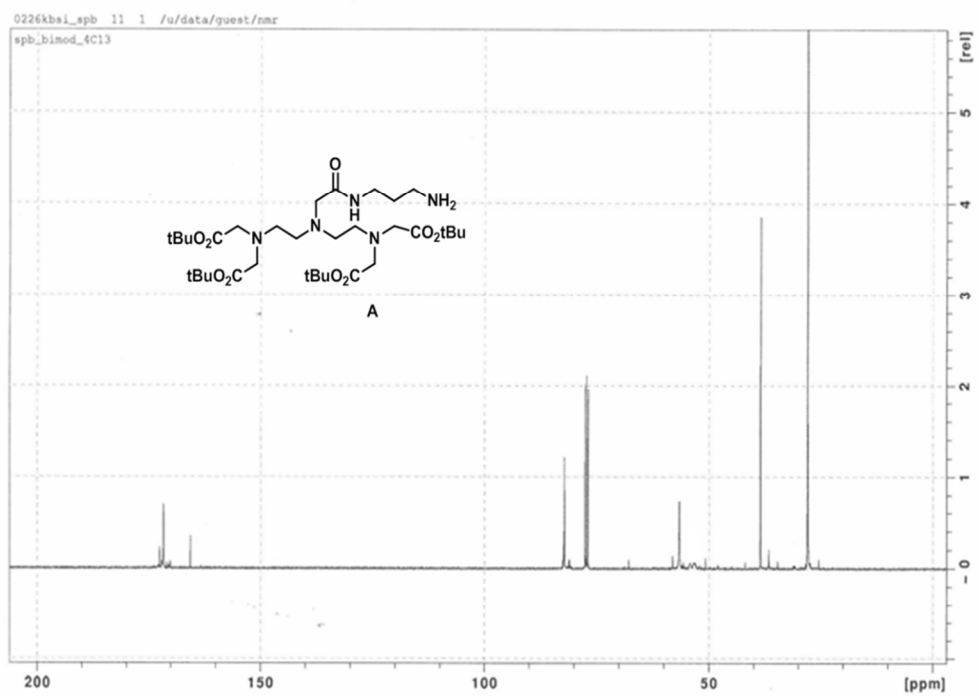


Figure S8. ¹³C-NMR spectrum of **a** in CDCl₃.

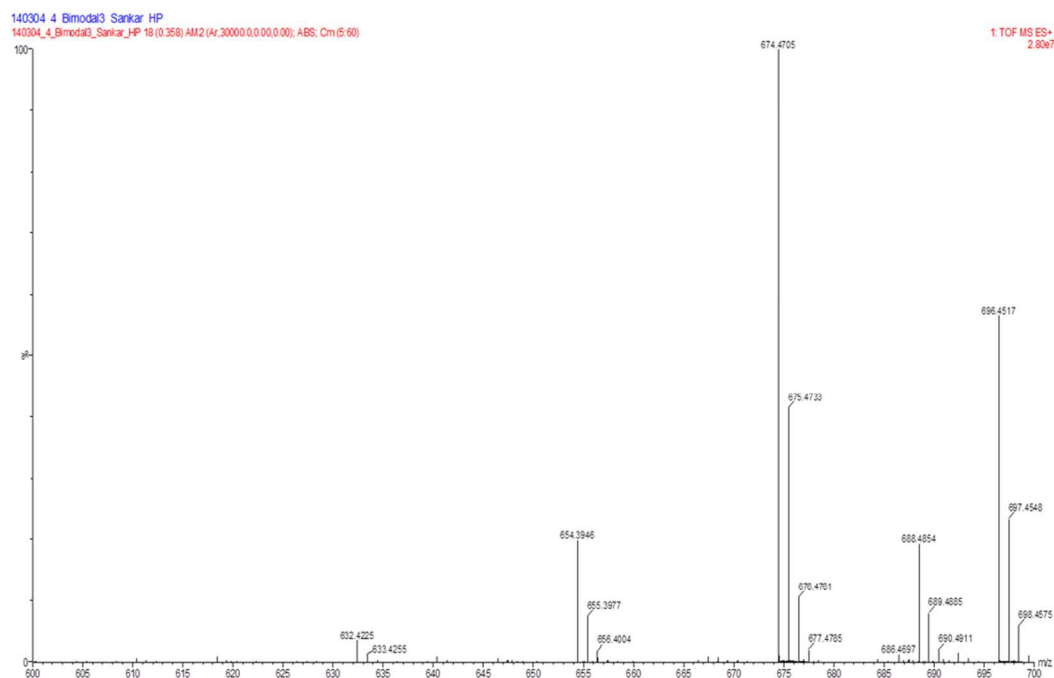


Figure S9. MS-spectrum of **a**.

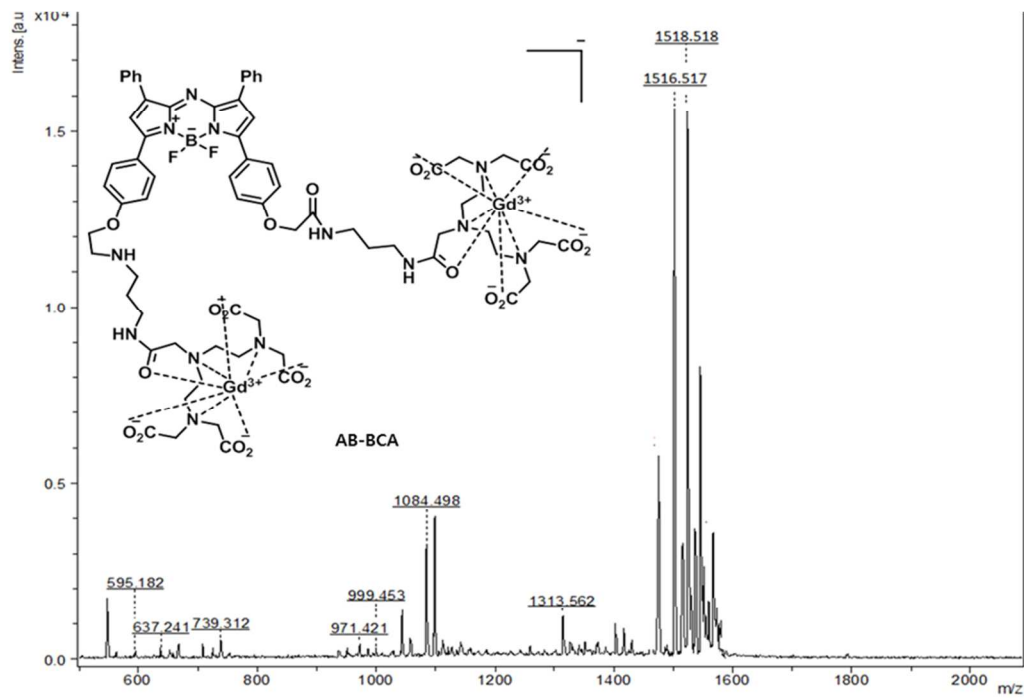


Figure S10. MALDI-MS of Gd^{3+} complex (AB-BCA).

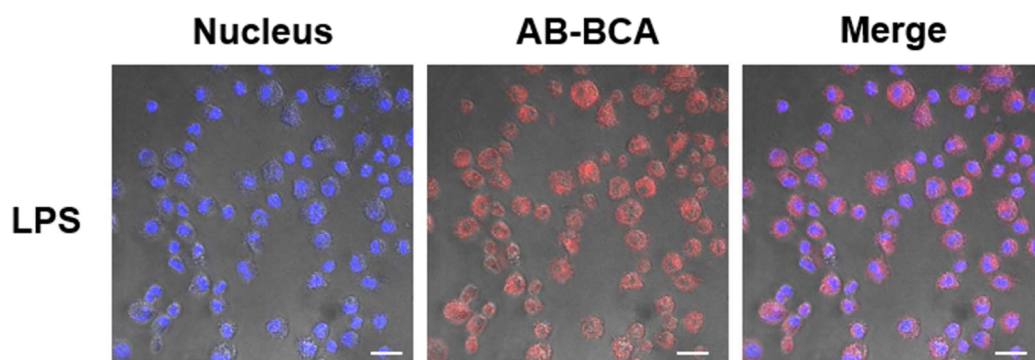


Figure S11. Morphological properties of matured BMDCs labeled with AB-BCA. BMDCs were labeled with 10 μ M of AB-BCA for 4 h, and incubated with LPS for 24 h. Differential interference contrast (DIC) images were acquired using a confocal microscope. All images show nuclear counterstain using Hoechst (blue). Scale bar: 20 μ m.

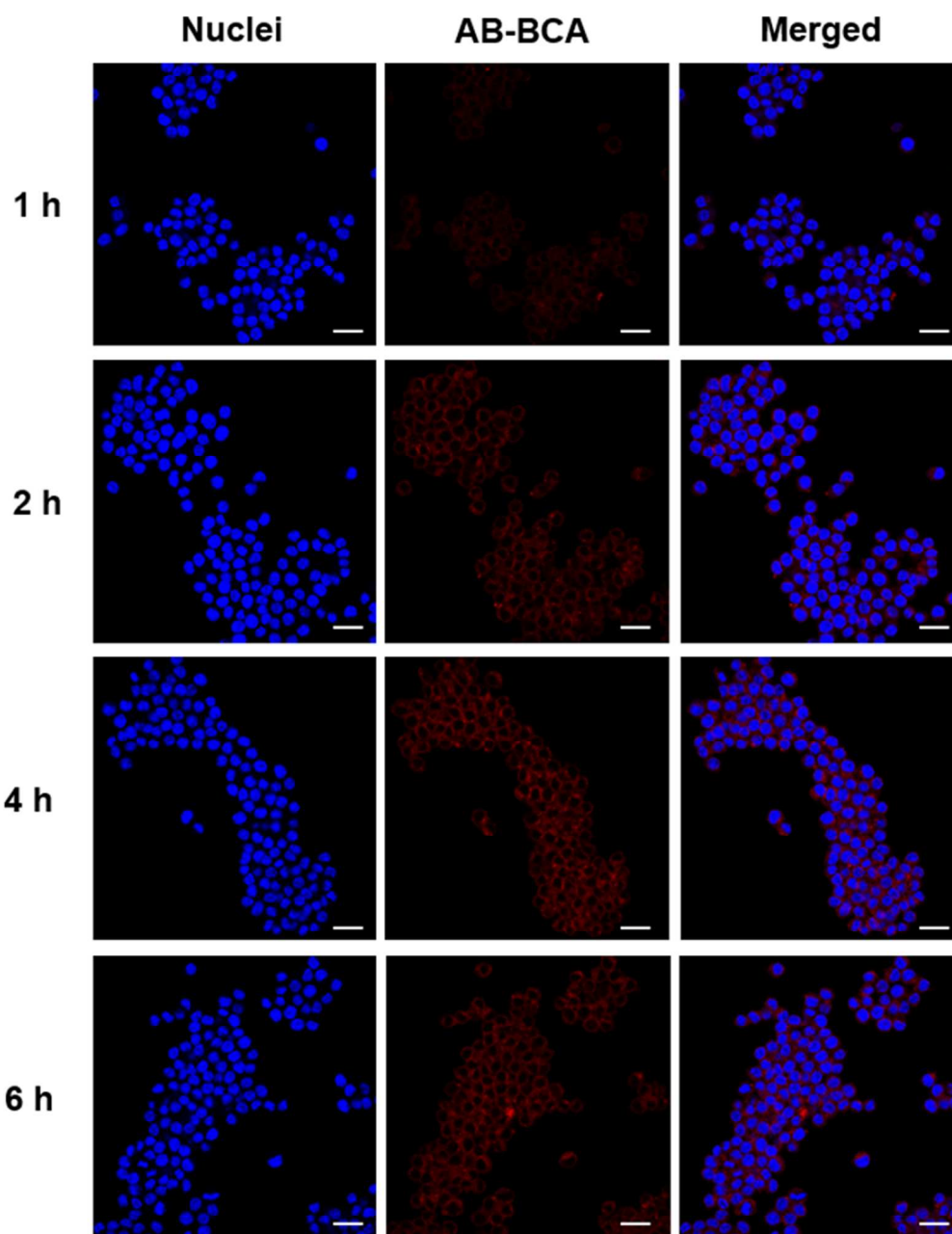


Figure S12. The Cellular fluorescence images of AB-BCA-treated Raw264.7 cells. Cells were treated with 10 μ M of AB-BCA for various time points. Then, cells were fixed in 4% paraformaldehyde after washing in PBS. All images show nuclear counterstain using Hoechst (blue). Scale bar: 20 μ m.

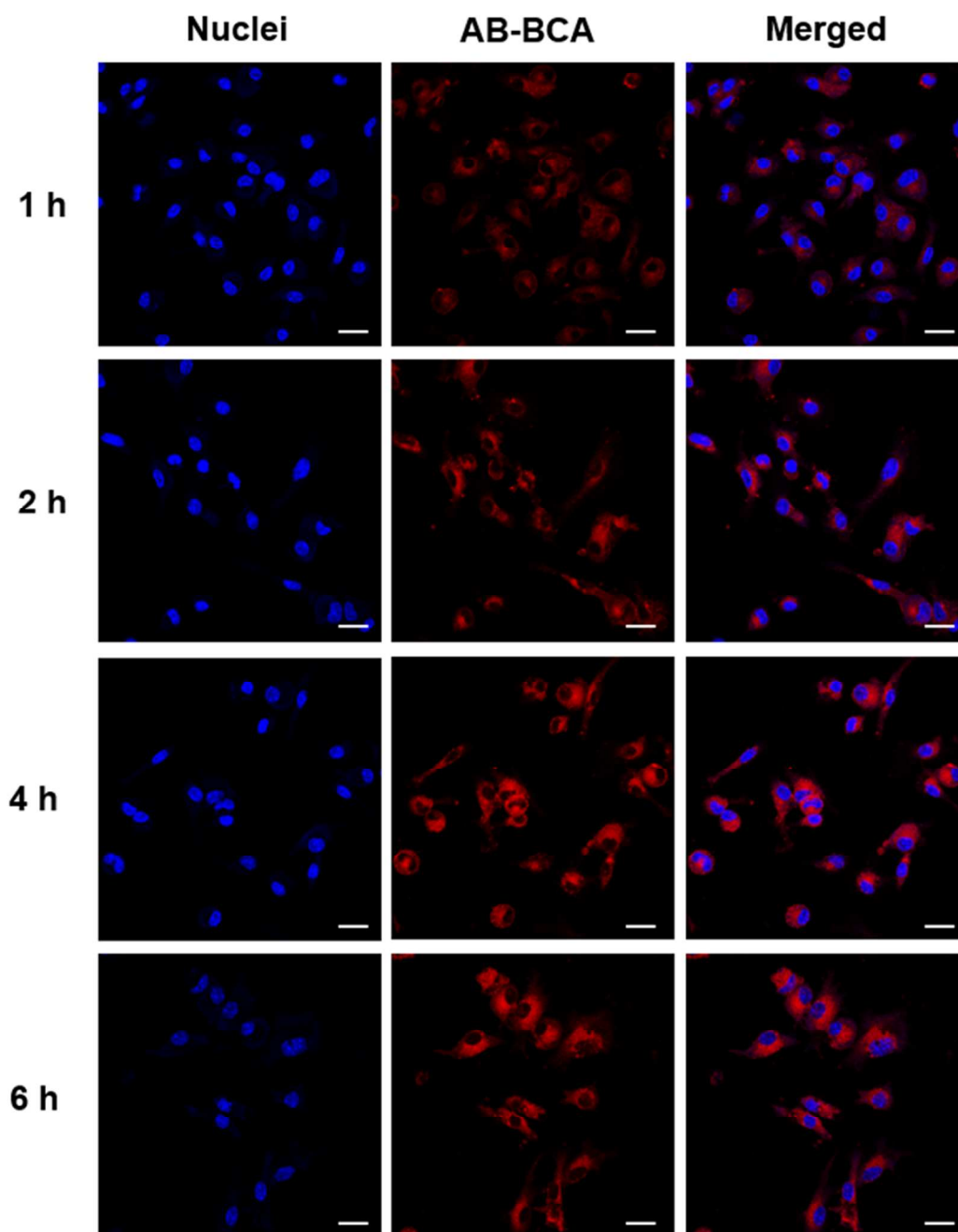


Figure S13. The Cellular fluorescence images of AB-BCA-treated BMDC cells. Cells were treated with 10 μ M of AB-BCA for various time points. Then, cells were fixed in 4% paraformaldehyde after washing in PBS. All images show nuclear counterstain using Hoechst (blue). Scale bar: 20 μ m.

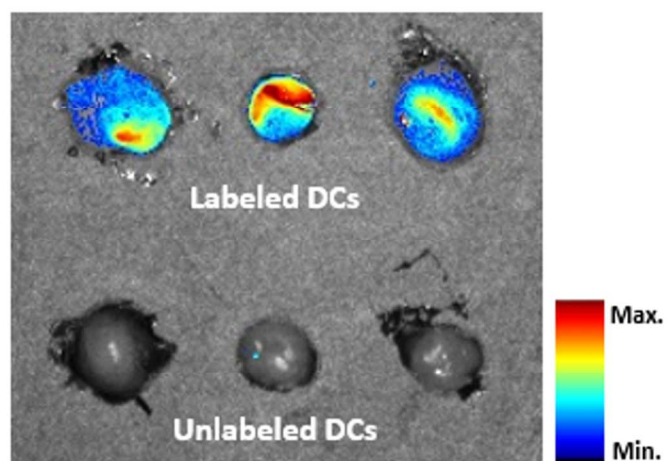


Figure S14. *Ex vivo* fluorescence image of lymph nodes from mice administered with AB-BCA. BMDCs unlabeled or labeled with AB-BCA were injected into the footpads of mice. After 48 h, LNs were excised and imaged by a Maestro II *in vivo* imaging system.