

Supplemental information

Legends for Videos

Video 1. Attachment of wild type neutrophil on fibronectin coated surface. Wild type neutrophils were allowed to adhere on a fibronectin coated surface. Images capturing was initiated when the cell was still in suspension to visualize the process of cell adhesion.

Video 2. Attachment of SHIP1^{-/-} neutrophil on a fibronectin coated surface. SHIP1^{-/-} neutrophils were allowed to adhere on a fibronectin coated surface. Images capturing was initiated when the cell was still in suspension to visualize the process of cell adhesion.

Video 3. Chemotaxis of wild type neutrophils towards fMLP in a buffer containing 2% BSA. Chemotaxis of wild type neutrophils towards fMLP on a glass plate and buffer containing 2% BSA to reduce cell attachment using EZTaxiScan.

Video 4. Chemotaxis of SHIP1^{-/-} neutrophils towards fMLP in a buffer containing 2% BSA. Chemotaxis of SHIP1^{-/-} neutrophils towards fMLP on a glass plate and buffer containing 2% BSA to reduce cell attachment using EZTaxiScan.

Video 5. Chemotaxis of wild type neutrophils towards fMLP in a buffer containing 0.1% BSA. Chemotaxis of wild type neutrophils towards fMLP on a glass plate and buffer containing 0.1% BSA to reduce cell attachment using EZTaxiScan.

Video 6. Chemotaxis of SHIP1^{-/-} neutrophils towards fMLP in a buffer containing 0.1% BSA. Chemotaxis of SHIP1^{-/-} neutrophils towards fMLP on a glass plate and buffer containing 0.1% BSA to reduce cell attachment using EZTaxiScan.

Video 7. Chemotaxis of wild type neutrophils towards fMLP on a surface coated with fibronectin and containing RGD peptide in the buffer. Chemotaxis of wild type neutrophils towards fMLP on a glass plate coated with fibronectin and buffer containing RGD peptide to reduce cell attachment using EZTaxiScan.

Video 8. Chemotaxis of wild type neutrophils towards fMLP on a surface coated with fibronectin and containing RGD peptide in the buffer. Chemotaxis of SHIP1^{-/-} neutrophils towards fMLP on a glass plate coated with fibronectin and buffer containing RGD peptide to reduce cell attachment using EZTaxiScan.

Video 9. Chemotaxis of wild type neutrophils towards fMLP on a surface coated with fibronectin. Chemotaxis of wild type neutrophils towards fMLP on a glass plate coated with fibronectin using EZTaxiScan.

Video 10. Chemotaxis of SHIP1^{-/-} neutrophils towards fMLP on a surface coated with fibronectin. Chemotaxis of SHIP1^{-/-} neutrophils towards fMLP on a glass plate coated with fibronectin using EZTaxiScan.