Figure S1

Counts

Syk (IC)

- mb1-CreERT²
- mb1-CreERT²; Syk²/

B1-a  B1-b  B2
Figure S2

Day 2 p.i.  Day 5 p.i.

Counts

Syk (IC)

mb1-CreERT2  mb1-CreERT2;Sykq Fr D  mb1-CreERT2;Sykq Fr E  mb1-CreERT2;Sykq Fr F

BM
**Figure S3**

A

anti-IgM F(ab')2

B

anti-IgD

C

Latrunculin

Ionomycin

---

mb1-CreERT2

mb1-CreERT2;Sykfl/fl

mb1-CreERT2;Sykfl/fl + Latrunculin + Ionomycin

mb1-CreERT2 + Latrunculin + Ionomycin
Figure S4

Day 20 p.i.

mb1-CreER<sup>T2</sup>

mb1-CreER<sup>T2</sup>;Syk<sup>fl/fl</sup>

anti-Kappa F(ab′)<sub>2</sub> 10′
Rapamycin+anti-Kappa F(ab′)<sub>2</sub> 10′
Pervanadate 5′

Counts

pS6 (Ser240/244) (IC)

--- medium

--- stimulus
Figure S5

A

% specific migration

0 25 50 75 100 125

CCL21  CXCL12  CXCL13

**

mb1-CreER<sup>T2</sup>

mb1-CreER<sup>T2</sup>; Syk<sup>fl/fl</sup> day 10

B

Counts

100 80 60 40 20 0

0 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup>

CXCR5  CXCR4

--- mb1-CreER<sup>T2</sup>

--- mb1-CreER<sup>T2</sup>; Syk<sup>fl/fl</sup>
Figure S6

A

medium

+CpG

Counts

Proliferation

B

Counts

Syk (IC)

mb1-CreERT2

---

mb1-CreERT2;Syk^{fl/fl}

mb1-CreERT2;Syk^{fl/fl}

A

B

---

---

---

---
Figure S7

A. mb1-CreERT2

B. mb1-CreERT2

C. mb1-CreERT2

D. mb1-CreERT2
Figure S8

A

mb1-CreER<sup>T2</sup>;Syk<sup>fl/fl</sup>

SP
CD93<sup>-</sup>

CD23 vs. CD21

Counts

Syk (IC)

B

Absolute cell number

Syk +

Syk -

* P = 0.024
Figure S9

The graph shows the percentage of viable follicular B cells over different days after treatment. The x-axis represents the days after treatment: 3, 5, 7, 9, and 15. The y-axis represents the percentage of viable B cells, ranging from 0 to 120.

The bars are divided into two conditions:
- Black bars represent mb1-CreER\textsuperscript{T2}.
- White bars represent mb1-CreER\textsuperscript{T2}; Syk\textsuperscript{fl/fl}.

Significance levels are indicated with asterisks: * for p < 0.05 and ** for p < 0.01.
Figure S10

A

B cells

T cells

mb1-CreERT2

mb1-CreERT2;Sykfl/fl

ZAP-70

GAPDH

--- mb1-CreERT2; B cells

--- mb1-CreERT2;Sykfl/fl; B cells

--- mb1-CreERT2; T cells

Counts

ZAP-70 (IC)
Figure S11

A

Day 2
Day 6
Day 8

Counts

0 10 2 10^3 10^4 10^5

Syk IC

- mb1-CreERT2
- mb1-CreERT2; CD19-CreERT2; Sykfl/fl
- CD19-CreERT2; Sykfl/fl
- mb1-CreERT2; Sykfl/fl

B

Day 10
Day 20

Counts

0 10 2 10^3 10^4 10^5

Syk IC

- mb1-CreERT2
- mb1-CreERT2; Sykfl/fl