

**Anti-Mouse CD267 (TACI)
Antibody, Clone 8F10, PE**



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TOLL FREE PHONE 1 800 667 0322 • PHONE +1 604 877 0713

INFO@STEMCELL.COM • TECHSUPPORT@STEMCELL.COM

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Antibodies

Rat monoclonal IgG2a antibody
against mouse CD267 (TACI), PE-
conjugated

Catalog #60116PE
#60116PE.1

200 µg 0.2 mg/mL
50 µg 0.2 mg/mL

FOR RESEARCH USE ONLY. NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES.

Product Description

The 8F10 antibody reacts with mouse CD267 (transmembrane activator and CAML interactor, or TACI), an ~30 kDa type III transmembrane protein of the TNF receptor superfamily that is expressed primarily on the surface of maturing subsets of splenic B cells, including transition type 2 (T2) and marginal zone (MZ) B cells, as well as on plasma cells and plasmablasts. Expression of CD267 is upregulated on B cells exposed to LPS both in vitro and in vivo. CD267 plays important roles in humoral immunity by regulating B cell survival, proliferation, and maturation through its interaction with the ligands APRIL and BAFF. Ligand binding stimulates activation of several transcription factors, including NF-kappa-B, and has been shown to induce either proliferation or apoptosis, suggesting a dual role in the regulation of B cells. CD267 also appears to have an essential function in immunoglobulin isotype switching and B cell differentiation in response to thymus-independent antigens.

Target Antigen Name:	CD267 (TACI)
Alternative Names:	TACI, TNFRSF 13B, Transmembrane activator and CAML interactor, Tumor necrosis factor receptor 13B
Gene ID:	57916
Species Reactivity:	Mouse
Host Species:	Rat (Wistar)
Clonality:	Monoclonal
Clone:	8F10
Isotype:	IgG2a, kappa
Immunogen:	Extracellular domain of mouse CD267 (TACI) recombinant protein
Conjugate:	PE

Applications

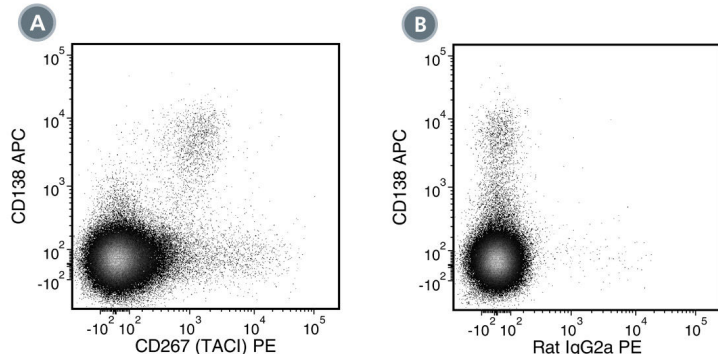
Verified:	FC
Reported:	FC
Special Applications:	This antibody clone has been verified for purity assessments of cells isolated with EasySep™ kits, including EasySep™ Mouse Pan-B Cell Isolation Kit (Catalog #19844), EasySep™ Mouse B Cell Isolation Kit (Catalog #19854), and EasySep™ Mouse CD138 Positive Selection Kit (Catalog #19857).

Abbreviations: CellSep: Cell separation; ChIP: Chromatin immunoprecipitation; FA: Functional assay; FC: Flow cytometry; ICC: Immunocytochemistry; IF: Immunofluorescence microscopy; IHC: Immunohistochemistry; IP: Immunoprecipitation; RIA: Radioimmunoassay; WB: Western blotting

Properties

Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Purification:	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.
Stability and Storage:	Product stable at 2 - 8°C when stored undiluted. Do not freeze. Protect product from prolonged exposure to light. For product expiry date, please contact techsupport@stemcell.com .
Directions for Use:	For flow cytometry the suggested use of this antibody is ≤ 1 µg per 1 x 10 ⁶ cells in 100 µL volume. It is recommended that the antibody be titrated for optimal performance for each application.

Data



(A) Flow cytometry analysis of immunized C57BL/6 mouse splenocytes labeled with Anti-Mouse CD267 (TACI) Antibody, Clone 8F10, PE and Anti-Mouse CD138 (Syndecan-1) Antibody, Clone 281-2, APC (Catalog #60035AZ).

(B) Flow cytometry analysis of immunized C57BL/6 mouse splenocytes labeled with a rat IgG2a, kappa isotype control antibody, PE and Anti-Mouse CD138 (Syndecan-1) Antibody, Clone 281-2, APC.

Related Products

For a complete list of antibodies, including other conjugates, sizes and clones, as well as related products available from STEMCELL Technologies, please visit our website at www.stemcell.com/antibodies or contact us at techsupport@stemcell.com.

References

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