

## Anti-Mouse CD267 (TACI) Antibody, Clone 8F10, APC



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## Antibodies

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

Catalog #60116AZ  
#60116AZ.1

100 µg 0.2 mg/mL  
50 µg 0.2 mg/mL

## 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:	APC

## Applications

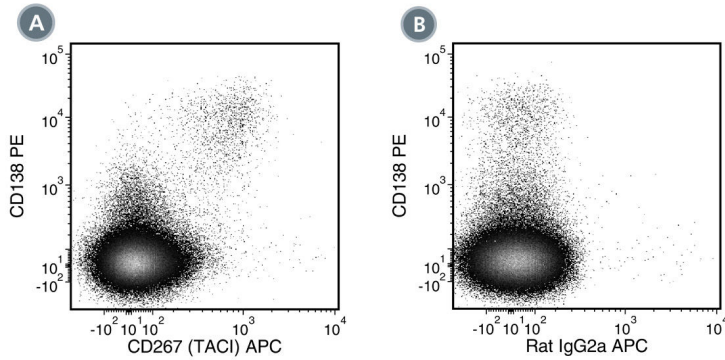
Verified:	FC
Reported:	FC
Special Applications:	This antibody clone has been verified for purity assessments of cells isolated with EasySep™ kits, including EasySep™ Mouse Pan-B Cell Isolation Kit (Catalog #19844) and EasySep™ Mouse B Cell Isolation Kit (Catalog #19854).

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

## Properties

Formulation:	Aqueous buffer containing 0.09% sodium azide, may contain carrier protein/stabilizer
Purification:	The antibody was purified by column chromatography.
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 <a href="mailto:techsupport@stemcell.com">techsupport@stemcell.com</a> .
Directions for Use:	For flow cytometry the suggested use of this antibody is $\leq 0.25 \mu\text{g}$ per $1 \times 10^6$ cells in 100 µL. 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, APC and Anti-Mouse CD138 (Syndecan-1) Antibody, Clone 281-2, PE (Catalog #60035PE).

(B) Flow cytometry analysis of immunized C57BL/6 mouse splenocytes labeled with Rat IgG2a, kappa Isotype Control Antibody, Clone RTK2758, APC (Catalog #60076AZ) and Anti-Mouse CD138 (Syndecan-1) Antibody, Clone 281-2, PE.

## 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](http://www.stemcell.com/antibodies) or contact us at [techsupport@stemcell.com](mailto:techsupport@stemcell.com).

## References

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