

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



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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

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

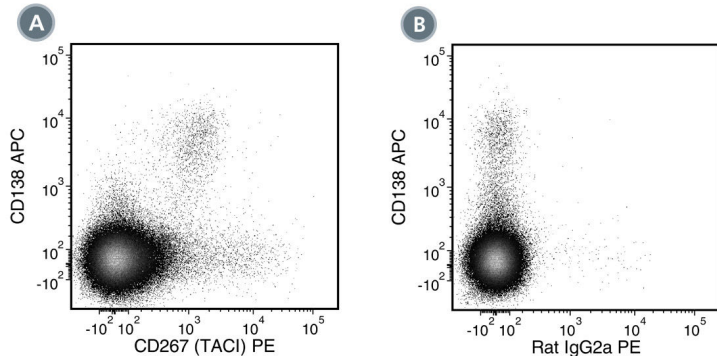
Verified:	FC
Reported:	FC
Special Applications:	This antibody clone has been verified for purity assessments of cells isolated with EasySep™ kits, including EasySep™ Mouse Pan-B Cell Isolation Kit (Catalog #19844) and EasySep™ Mouse B Cell Isolation Kit (Catalog #19854).

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:	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. 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 Rat IgG2a, kappa Isotype Control Antibody, Clone RTK2758, PE (Catalog #60076PE) 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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