

# F(ab')<sub>2</sub>-Goat anti-Mouse IgM (Mu chain) Secondary Antibody, Functional Grade, eBioscience™

Product Details	
Size	500 µg
Species Reactivity	Mouse
Host/Isotype	Goat / Ig
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Functional Grade
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	no preservative
Storage conditions	4° C
RRID	AB_2573088

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	Assay-Dependent	0 Publication
Functional Assay (FN)	Assay-Dependent	-
Miscellaneous PubMed (Misc)	-	0 Publication

## Product Specific Information

**Description:** This polyclonal F(ab')<sub>2</sub> fragment recognizes mouse IgM. Reactivity to human and bovine has been removed. This polyclonal antibody can be used to crosslink and activate B lymphocytes.

**Applications Reported:** This polyclonal F(ab')<sub>2</sub> Goat Anti-Mouse IgM has been reported for use in functional assays (such as B cell activation). Concentrations should be determined empirically for optimal performance in the assay of interest.

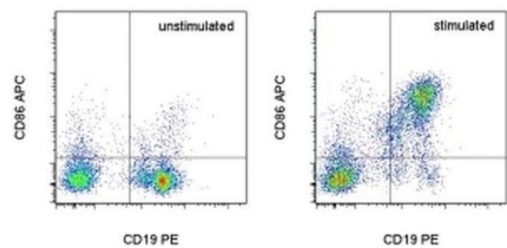
**Applications Tested:** F(ab')<sub>2</sub> Anti-Mouse IgM, u chain specific Functional Grade Purified has been tested by in vitro stimulation of mouse splenocytes.

**Filtration:** 0.2 µm post-manufacturing filtered.

**Purity:** Greater than 90%, as determined by SDS-PAGE.

**Endotoxin Level:** Less than 0.5 ng/µg antibody, as determined by LAL assay.

**Aggregation:** Less than 10%, as determined by HPLC.



**Mouse IgM (Mu chain) Secondary Antibody (16-5092-85) in Flow**  
Mouse splenocytes were unstimulated (left) or stimulated with 10 µg/mL of F (ab')<sub>2</sub> Anti-Mouse IgM, u chain specific Functional Grade Purified (Product # 16-5092-85) for 48 hours (right) followed by staining with Anti-Mouse CD19 PE (Product # 12-0193-82) and CD86 APC (Product # 17-0862-82). Cells in the lymphocyte gate were used for analysis.

15 References

Impaired regulatory function of granzyme B-producing B cells against T cell inflammatory responses in lupus mice. *Lupus Sci Med* (2023)

The roles of BST-2 in murine B cell development and on virus propagation. *Microbiol Immunol* (2023)

ORAI3 is dispensable for store-operated Ca<sup>2+</sup> entry and immune responses by lymphocytes and macrophages. *J Gen Physiol* (2022)

B cell-intrinsic TBK1 is essential for germinal center formation during infection and vaccination in mice. *J Exp Med* (2022)

The ASCIZ-DYNLL1 Axis Is Essential for TLR4-Mediated Antibody Responses and NF- $\kappa$ B Pathway Activation. *Mol Cell Biol* (2021)

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