Mouse S100A8 Biotinylated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: BAF3059

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse S100A8 in Western blots. In Western blots, less than 1% cross-reactivity with recombinant mouse (rm) S100A9, rmS100A10, recombinant human (rh) S100B, and rhS100P is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant mouse S100A8 Pro2-Glu89 Accession # P27005
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

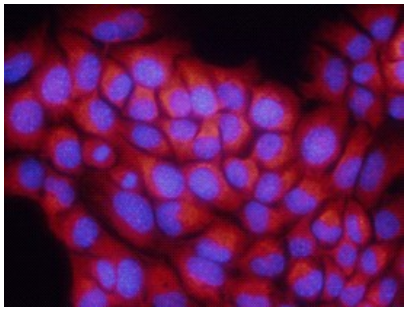
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Mouse S100A8
Immunocytochemistry	5-15 µg/mL	See Below

DATA

Immunocytochemistry



S100A8 in NMuMG Mouse Cell Line. S100A8 was detected in immersion fixed NMuMG mouse mammary gland epithelial cell line using 10 µg/mL Goat Anti-Mouse S100A8 Biotinylated Antigen Affinity-purified Polyclonal Antibody (Catalog # BAF3059) for 3 hours at room temperature. Cells were stained with the NorthernLights™ 557-conjugated Streptavidin (red; Catalog # NL999) and counter-stained with DAPI (blue). View our protocol for Fluorescent ICC Staining of Cells on Coverslips.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Mouse S100A8, also known as CP-10, Calgranulin A and MRP8, is a 10 kDa member of the S100 family of calcium-binding proteins. S100A8 contains short sequential modules, including an N-terminal α-helix, a Ca^{++}-binding EF-hand segment, a short central linker region, a second EF-hand segment, and a C-terminal α-helix. S100A8 noncovalently heterodimerizes with S100A9. In the presence of Ca^{++}, the heterodimers form heterotetramers. The dimeric complex is found both intracellularly and extracellularly. It binds to heparan sulfate and is chemotactic for PMNs and macrophages. The amino acid sequence of mouse S100A8 is 80% and 57% identical to that of rat and human S100A8, respectively.

bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956