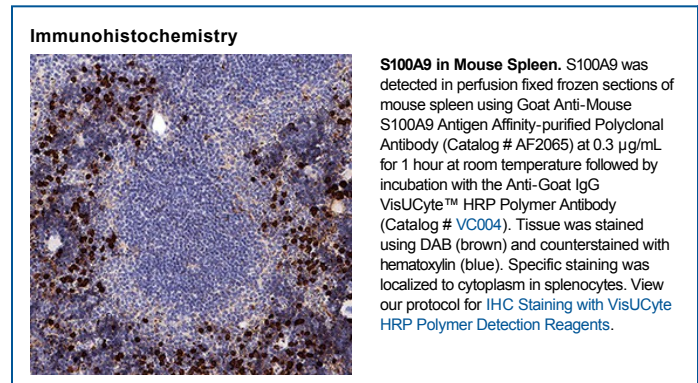
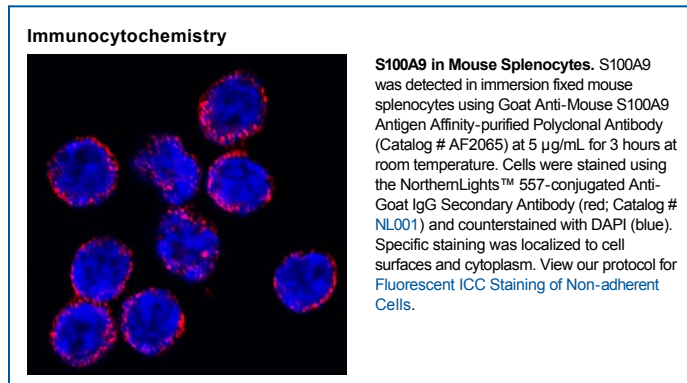
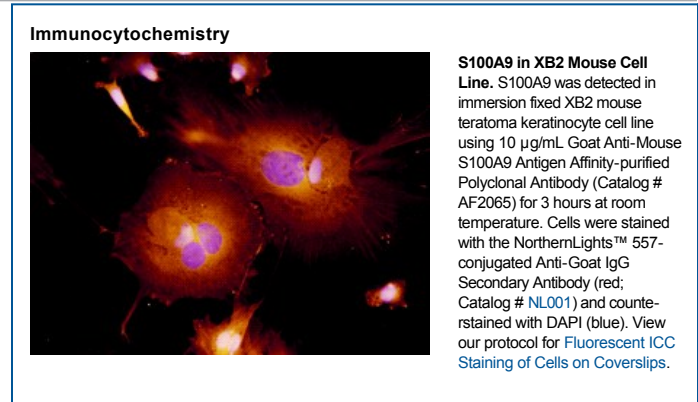
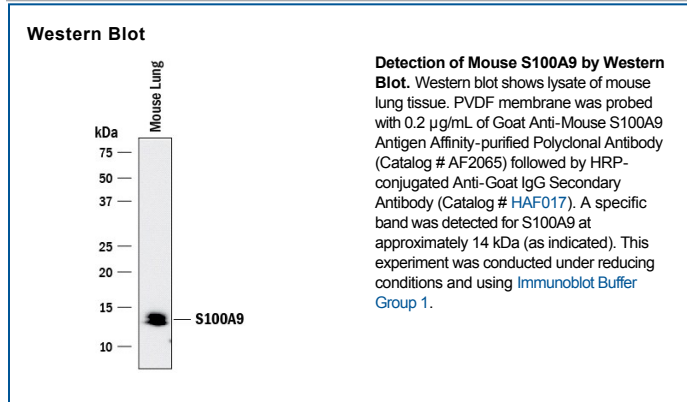


DESCRIPTION	
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse S100A9 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 2% cross-reactivity with recombinant mouse S100A10 and recombinant human S100B is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant mouse S100A9 Ala2-Lys113 Accession # P31725
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

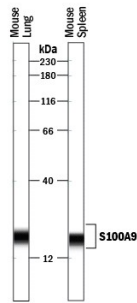
**APPLICATIONS**  
**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
<b>Western Blot</b>	0.2 µg/mL	See Below
<b>Immunocytochemistry</b>	5-15 µg/mL	See Below
<b>Immunohistochemistry</b>	0.3-15 µg/mL	See Below
<b>Simple Western</b>	2 µg/mL	See Below

**DATA**



**Simple Western**



**Detection of Mouse S100A9 by Simple Western™.** Simple Western lane view shows lysates of mouse lung tissue and mouse spleen tissue, loaded at 0.2 mg/mL. A specific band was detected for S100A9 at approximately 20 kDa (as indicated) using 2 µg/mL of Goat Anti-Mouse S100A9 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2065) followed by 1:50 dilution of HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.

**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**BACKGROUND**

S100A9, also known as calgranulin B, migration inhibitory factor-related protein 14 (MRP14), belongs to the S100 family of calcium binding proteins of the EF-hand type. It is highly expressed in myeloid cells and other cell types including keratinocytes, epithelial cells and endothelial cells. S100A9 is a cytosolic protein that can also be released into the extracellular milieu. It is associated with various inflammatory diseases.