

## DESCRIPTION

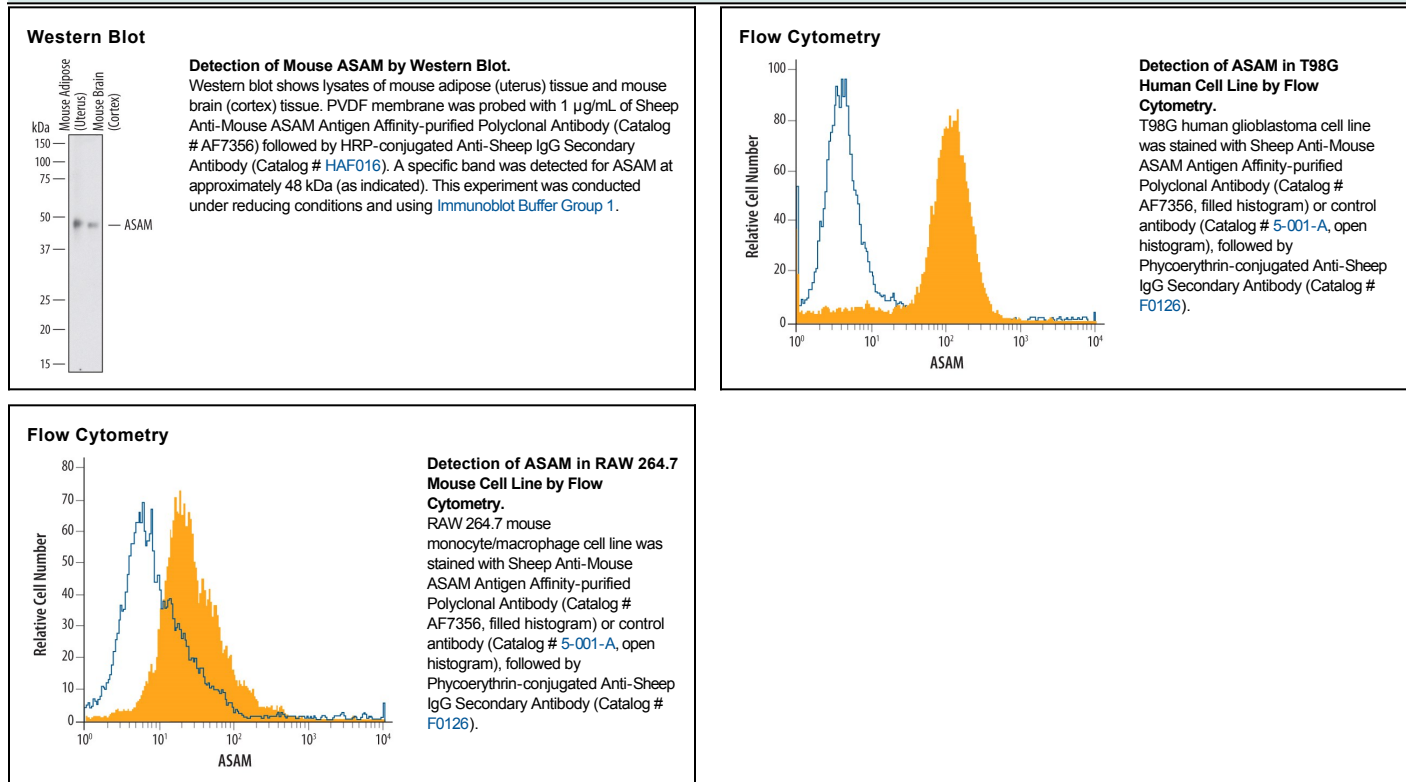
<b>Species Reactivity</b>	Human/Mouse
<b>Specificity</b>	Detects human and mouse recombinant ASAM in direct ELISAs. Detects human and mouse ASAM in Western blots.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Chinese hamster ovary cell line CHO-derived recombinant mouse ASAM Thr18-Ala234 Accession # Q8R373
<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 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>	1 µg/mL	See Below
<b>Flow Cytometry</b>	2.5 µg/10 <sup>6</sup> cells	See Below

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Sterile PBS to a final concentration of 0.2 mg/mL.
<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

ASAM (Adipocyte-specific adhesion molecule; also ACAM, CLMP, Asp5 and CXADR-like protein) is a 44-48 kDa member of the CTX family of molecules. It is expressed on adipocytes as well as select epithelial cells such as respiratory and intestinal epithelium, keratinocytes and Sertoli cells. ASAM appears to contribute to tight junction formation, and may promote the transition of preadipocytes to adipocytes. Mature mouse ASAM is a 356 amino acid (aa) type I transmembrane glycoprotein. It contains a 217 aa extracellular region (aa 18-234) that is characterized by the presence of two C2 type Ig-like domains (aa 18-126 and 134-223), and possesses a C-terminal 118 aa cytoplasmic domain. The extracellular region of mouse ASAM (aa 18-234) shares 97% and 100% aa sequence identity with human and rat ASAM, respectively.