

## Product datasheet for **AM50076PU-S**

### STOM Mouse Monoclonal Antibody [Clone ID: AT33F5]

#### Product data:

|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Clone Name:           | AT33F5   |
| Applications:         | ELISA, WB  |
| Recommended Dilution: | The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution is 1:1000. |
| Reactivity:           | Human  |
| Host:                 | Mouse  |
| Isotype:              | IgG2b  |
| Clonality:            | Monoclonal   |
| Immunogen:            | Recombinant human STOM (55-288aa) purified from E. coli  |
| Formulation:          | PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol<br>State: Purified<br>State: Liquid purified Ig fraction  |
| Concentration:        | lot specific   |
| Purification:         | Protein-A affinity chromatography  |
| Conjugation:          | Unconjugated   |
| Storage:              | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.   |
| Stability:            | Shelf life: one year from despatch.  |
| Gene Name:            | stomatin   |
| Database Link:        | <a href="#">Entrez Gene 2040 Human P27105</a>  |



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**Background:**

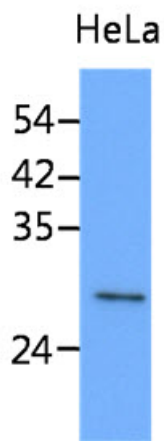
STOM(stomatin) is a member of a highly conserved family of integral membrane proteins. This protein localizes to the cell membrane of red blood cells and other cell types, where it may regulate ion channels and transporters. Loss of localization of STOM is associated with hereditary stomatocytosis, a form of hemolytic anemia. Although the wide distribution of stomatin and its constitutive expression suggest an important role for this protein in cell biology, perhaps as a house-keeping component, its function remains undetermined. The massive presence of stomatin in membrane-protruding folds and extensions suggests a possible structural role for this protein in the formation of these structures and/or the anchorage to the actin cytoskeleton.

**Synonyms:**

BND7, EPB72

**Protein Families:**

Transmembrane

**Product images:**

The cell lysates of HeLa (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human STOM antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.