

## Product datasheet for **AM08071LE-N**

### CD81 / TAPA1 Hamster Monoclonal Antibody [Clone ID: 2F7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	2F7
Applications:	FC, FN, IHC, IP
Recommended Dilution:	<b>Flow Cytometry:</b> Identification and enumeration of CD81+ cells. <b>Immunoprecipitation.</b> <b>Immunohistochemistry on Frozen Sections.</b> <b><i>In vitro</i> blocking of thymocyte interactions with CD81.</b> See Ref.2 for more details.
Reactivity:	Mouse
Host:	Hamster
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Mouse epithelial cell line PAM212.
Specificity:	This antibody recognises Mouse CD81 (Mr 25 kDa), a member of the transmembrane 4 integral membrane protein family. This antibody can block thymocyte interaction with CD81 <i>in vitro</i> . (Ref.2)
Formulation:	PBS without preservatives. State: Low Endotoxin State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD81 antigen
Database Link:	<a href="#">Entrez Gene 12520 Mouse P35762</a>



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**Background:**

TAPA1, or CD81, is a member of the transmembrane 4 superfamily, also known as the Tetraspanin family. Most of these members are cell surface proteins that are characterised by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. TAPA1 is a cell surface glycoprotein that is known to complex with integrins. It appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. TAPA1 gene is localized in the tumor suppressor gene region and thus it is a candidate gene for malignancies.

**Synonyms:**

S5.7; TAPA-1; TAPA1; Tetraspanin-28; Tspan-28; TSPAN28