

Product datasheet for **SM007A**

Pecam1 Hamster Monoclonal Antibody [Clone ID: 2H8]

Product data:

| | |
|-----------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | 2H8 |
| Applications: | FC, FN |
| Recommended Dilution: | Flow Cytometry (0.1 µg/ml): Use 5 µl of the suggested working dilution to label 100 µl of whole blood. |
| | Functional Assays. |
| Reactivity: | Mouse |
| Host: | Hamster |
| Isotype: | IgG |
| Clonality: | Monoclonal |
| Specificity: | This antibody reacts with the 130-140kD protein, PECAM-1 found on mouse monocytes, platelets, granulocytes and endothelial cells. Clone 2H8 effectively inhibits transmigration of activated polymorphonuclear cells and monocytes across the endothelium. In a mouse model for acute peritonitis clone 2H8 blocks acute inflammation. |
| Formulation: | PBS without preservatives or stabilizers. State: Azide Free State: Liquid (sterile filtered) purified IgG fraction. |
| Concentration: | lot specific |
| Purification: | Caprylic Acid Precipitation. |
| Conjugation: | Unconjugated |
| Storage: | Store the antibody undiluted at -20°C only. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | platelet/endothelial cell adhesion molecule 1 |
| Database Link: | Entrez Gene 18613 Mouse Q08481 |



[View online »](#)

Background:

CD31, also known as platelet endothelial cell adhesion molecule 1 (PECAM1), is a type I integral membrane glycoprotein and a member of the immunoglobulin superfamily of cell surface receptors. It is constitutively expressed on the surface of endothelial cells, and concentrated at the junction between them. It is also weakly expressed on many peripheral lymphoid cells and platelets.

CD31 has been used to measure angiogenesis in association with tumor recurrence. Other studies have also indicated that CD31 and CD34 can be used as markers for myeloid progenitor cells and recognize different subsets of myeloid leukemia infiltrates (granular sarcomas).

PECAM-1 is a 130-140 kD protein, found on mouse monocytes, platelets, granulocytes and endothelial cells.

Synonyms:

PECAM-1, EndoCAM, GPIIA'