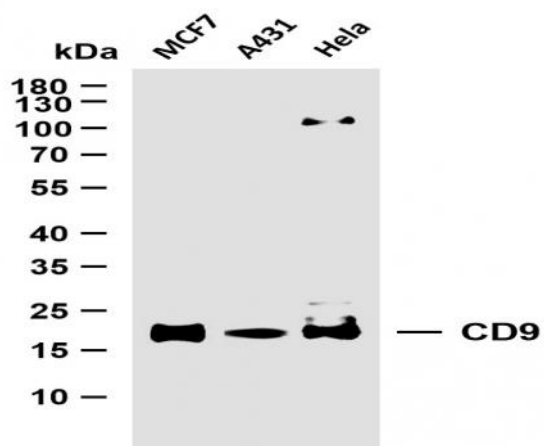


CD9 (PTR1357) mouse mAb

Catalog No :	YM4772
Reactivity :	Human
Applications :	WB;ELISA
Target :	CD9
Fields :	>>Hematopoietic cell lineage
Gene Name :	CD9
Protein Name :	CD9 antigen
Human Gene Id :	928
Human Swiss Prot No :	P21926
Immunogen :	The antiserum was produced against synthesized peptide derived from human CD9. AA range:100-200
Specificity :	This antibody detects endogenous levels of CD9.
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Mouse, Monoclonal/IgG,kappa
Dilution :	WB 1:500 - 1:1000. ELISA 1:20000.
Purification :	Protein G
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	24kD
Observed Band :	22kD

Cell Pathway :	Hematopoietic cell lineage;
Background :	<p>This gene encodes a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Tetraspanins are cell surface glycoproteins with four transmembrane domains that form multimeric complexes with other cell surface proteins. The encoded protein functions in many cellular processes including differentiation, adhesion, and signal transduction, and expression of this gene plays a critical role in the suppression of cancer cell motility and metastasis. [provided by RefSeq, Jan 2011],</p>
Function :	<p>function:Involved in platelet activation and aggregation. Regulates paranodal junction formation. Involved in cell adhesion, cell motility and tumor metastasis. Required for sperm-egg fusion.,PTM:Protein exists in three forms with molecular masses between 22 and 27 kDa, and is known to carry covalently linked fatty acids.,similarity:Belongs to the tetraspanin (TM4SF) family.,subunit:Forms both disulfide-linked homodimers and higher homooligomers as well as heterooligomers with other members of the tetraspanin family. Associates with CR2/CD21 and with PTGFRN/CD9P1. Interacts directly with IGSF8.,tissue specificity:Expressed by a variety of hematopoietic and epithelial cells.,</p>
Subcellular Location :	<p>Cell membrane ; Multi-pass membrane protein . Membrane ; Multi-pass membrane protein . Secreted, extracellular exosome . Present at the cell surface of oocytes. Accumulates in the adhesion area between the sperm and egg following interaction between IZUMO1 and its receptor IZUMO1R/JUNO. .</p>
Expression :	<p>Detected in platelets (at protein level) (PubMed:19640571). Expressed by a variety of hematopoietic and epithelial cells (PubMed:19640571).</p>
Tag :	hot
Sort :	1
No3 :	ab236630
No4 :	1
Host :	Mouse
Modifications :	Unmodified

Products Images



Various whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-CD9 (PTR1357) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: mouse spleen Lane 2: HeLa Predicted band size: 24kDa Observed band size: 22kDa