

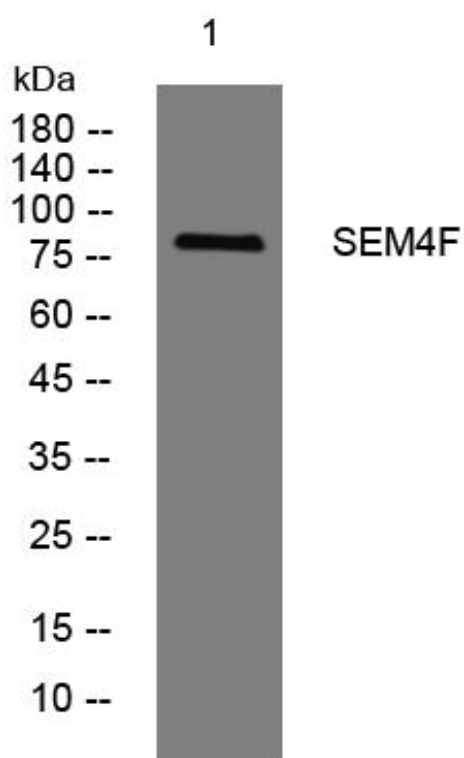


# SEM4F mouse mAb

|                                  |                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                | YP-mAb-08221                                                                                                                                                                                                                                                                                                                                   |
| <b>Isotype</b>                   | IgG                                                                                                                                                                                                                                                                                                                                            |
| <b>Reactivity</b>                | Human; Mouse;Rat                                                                                                                                                                                                                                                                                                                               |
| <b>Applications</b>              | WB                                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Name</b>                 | SEMA4F SEMAM SEMAW                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Name</b>              | SEM4F                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen</b>                 | Synthesized peptide derived from human SEM4F AA range: 85-135                                                                                                                                                                                                                                                                                  |
| <b>Specificity</b>               | This antibody detects endogenous levels of SEM4F at Human/Mouse/Rat                                                                                                                                                                                                                                                                            |
| <b>Formulation</b>               | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.336% sodium azide.                                                                                                                                                                                                                                                                       |
| <b>Source</b>                    | Monoclonal, Mouse,IgG                                                                                                                                                                                                                                                                                                                          |
| <b>Purification</b>              | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                           |
| <b>Dilution</b>                  | WB 1:500-1:2000                                                                                                                                                                                                                                                                                                                                |
| <b>Concentration</b>             | 1 mg/ml                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>                    | ≥90%                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage Stability</b>         | -20°C/1 year                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>                  | Semaphorin-4F (Semaphorin-M) (Sema M) (Semaphorin-W) (Sema W)                                                                                                                                                                                                                                                                                  |
| <b>Observed Band</b>             | 85kD                                                                                                                                                                                                                                                                                                                                           |
| <b>Cell Pathway</b>              | Cell membrane ; Single-pass type I membrane protein . Cell junction, synapse, postsynaptic density . Perikaryon . Cell projection, dendrite . Colocalizes with DLG4 at synapses. .                                                                                                                                                             |
| <b>Tissue Specificity</b>        | Amygdala,Brain,Liver,                                                                                                                                                                                                                                                                                                                          |
| <b>Function</b>                  | function:Has growth cone collapse activity against retinal ganglion-cell axons.,similarity:Belongs to the semaphorin family.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 1 PSI domain.,similarity:Contains 1 Sema domain.,                                                                         |
| <b>Background</b>                | This gene encodes a transmembrane class IV semaphorin family protein, which plays a role in neural development. This gene may be involved in neurogenesis in prostate cancer, the development of neurofibromas, and breast cancer tumorigenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2012], |
| <b>matters needing attention</b> | Avoid repeated freezing and thawing!                                                                                                                                                                                                                                                                                                           |

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**

Western Blot analysis of various cells using SEM4F mouse mAb