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# Product Description

## 2D7

### Monoclonal anti Glutamate

**Product:** monoclonal anti-Glutamate antibody

**Code No:** mAB 2D7

**Lot no:** ps3

**Form:** Lyophilized (no preservatives).

**Quantity:** 200 µl.

#### Reconstitution

- add the lyophilized material (approx. 1 mg) to 100 µl PBS or another buffered saline (add in order indicated)
- allow some time for the material to dissolve; mix by swirling gently
- remove particulate matter by centrifugation in a microfuge
- add 100 µl glycerol (final glycerol conc. 50% v/v) and mix well (vortex)

#### Description

The antibodies have been purified from ascitic fluid by ammoniumsulfate precipitation and subsequently by FPLC on Protein-A-Superose. BSA has been added to the eluate, and the material has been dialyzed against water and lyophilized.

#### Storage

Store stock-solution in freezer (-20°C, not -70°C). Mix stock solution well before making aliquots. 10x diluted solutions may be kept in the refrigerator for some time (several weeks) but should be made 10 mM with sodium azide. Volumes of working dilutions (high dilutions) should be calculated such the they are used up the same day. Avoid polystyrene tubes.

#### Dilutions

Appropriate final dilutions should be determined experimentally. For LM, we strongly suggest to use postembedding staining and to combine the anti-Glu antibody with a silver-enhanced PAP procedure as described in detail by Liu et al.(1989). For EM, we recommend a postembedding immunogold procedure (see: Liu et al., 1989).

#### References

Liu CJ, Grandes P, Matute C, Cuenod M, Streit P: Glutamate-like immunoreactivity revealed in rat olfactory bulb, hippocampus and cerebellum by monoclonal antibody and sensitive staining method. Histochemistry 1989;90(6):427-45