

Suitable buffer additives for antigens for monoclonal antibody development in mice (also valid for polyclonal antisera in mice)

The following additives (maximum values) in buffers can be accepted, if the concentration of the antigen is at least **1 mg/ml**:

For Immunogens:

- 200 mM Imidazole
- 1 mM EDTA
- 2 mM DTT (Dithiotriethol)
- 200 mM NaCl
- 2 mM Calcium salts
- 10 mM Potassium salts
- 0,1% Maltose, Mannitol and Trehalose or any other carbohydrates
- 0,1% SDS
- 10 % Glycerol
- **no** NaN₃ or other preservatives
- **no** Urea
- 20 mM Tris

In case of other substances (i.e. amino acids) the total concentration of substances in solutions should not exceed 250 mM.

For Screening-Antigens:

- **no** SDS,
- **no** Triton® X-100,
- **no** Tween or any other detergents

For Antigens that need to be conjugated via -NH₂:

- **no** buffer components containing amine groups (for example Tris, amino acids)

For Antigens that need to be conjugated via -CH₂-SH:

- **no** buffer components containing sulfhydryl groups (for example Cysteine, DTT, β-Mercaptoethanol)