

## Klear Mouse Blocking Buffer

(Blocking buffer for mouse primary antibody detection on mouse tissue)

Storage: 4-8°C

Catalog No.:	D54-6	6 ml	<input type="checkbox"/>
	D54-18	18 ml	<input type="checkbox"/>
	D54-110	110ml	<input type="checkbox"/>

### Intended Use:

Antigen detection with primary antibody of the same species as the test tissue yields high background when indirect detection method is used. This severely limits the use of murine monoclonal antibody on mouse tissue. Golden Bridge International's Klear Mouse Blocking Buffer is designed for eliminate the endogenous mouse IgG binding or other non-specific bindings on mouse tissue. Our Klear Mouse Detection kit uses special blocking buffer to obtain clean background. The Klear Mouse Blocking Buffer can be used with chromogenic dye staining or fluorescent dye staining when using mouse primary antibody on mouse tissue.

### Kit Components:

Cat. No.	Reagent 1 MS Blocking A (RTU)	Reagent 2 MS Blocking B (RTU)
D54-6	6ml	6 ml
D54-18	18ml	18 ml
D54-100	100ml	100ml

### Recommended Protocol:

1. Fixation: To ensure the quality of the staining and obtain reproducible performance, user needs to supply appropriately fixed tissue and well prepared slides.
2. Tissue needs to be adhered to the slide tightly to avoid tissue falling off.
3. Paraffin embedded section must be deparaffinized with xylene and rehydrated with a graded series of ethanol before staining.
4. Cell smear samples should be made as much monolayer as possible to obtain satisfactory results.
5. Three control slides will aid the interpretation of the result: positive tissue control, reagent control (slide treated with Isotype control reagent), and negative control.
6. Start staining procedures: DO NOT let specimen or tissue dry from this point on.

Reagent	Staining Procedures	Incubation Time (Min.)
1. Peroxidase blocking reagent: Supplied by user.	a. Apply 2 drops (100 µl) or enough volume of Peroxidase blocking reagent (Ready-to-use 3% H <sub>2</sub> O <sub>2</sub> solution) to cover the tissue section and incubate b. Rinse the slide using distilled water.	10 min.
2. HIER Pretreatment: refer to antibody supplier's data	a. Heat Induced Epitope Retrieval (HIER) may be required for primary antibody suggested by vendor b. Wash with PBS 2 min., 3 times.	
3. <b>Reagent 1:</b> MS Blocking A (RTU)	a. Add 2 drops or enough volume of <b>Reagent 1</b> MS Blocking A Solution to cover the tissue section completely and Incubate 30 min. b. Rinse with PBS for 2 min., 3 times.	30 min.

4. <b>Reagent 2:</b> Ms Blocking B (RTU)	a. Add 2 drops or enough volume of <b>Reagent 2</b> MS Blocking B Solution to cover the tissue section completely and Incubate 5 min. b. Rinse with PBS for 2 min., 3 times.	5 min
5. Primary antibody: Supplied by user.	a. Apply 2 drops or enough volume of Primary antibody to cover the tissue section completely. Incubate in moist chamber for 30-60 min. b. Rinse with PBS for 2 min., 3 times.	30-60 min.
	<b>MS Blocking A &amp; B have been optimized for Klear Mouse Detection System. We highly recommend using MS Blocking A &amp; B with Klear Mouse detection system. If chose other supplier's detection system please follow detection protocol from this point on.</b>	

**Protocol Notes:**

1. The fixation, tissue slide thickness, antigen retrieval and primary antibody dilution and incubation time effect results significantly. Investigator needs to consider all factors and determine optimal conditions when interpret the result.
2. Tissue staining is dependent upon the proper handling and processing of tissues prior to staining. Improper tissue preparation may lead to false negative results or inconsistent results.
3. Do not mix reagents from different lot.
4. Do not allow the slides to dry at any time during staining

**Related Products:**

Product	Catalog No.	Size
Klear Mouse HRP for DAB Bulk Kit	D52-110	110ml (chromogen is not included)
Klear Mouse HRP with DAB kit	D52-6 / D52-18	6ml / 18ml
Klear Mouse HRP with AEC Kit	D53-6 / D53-18	6ml / 18ml
Klear Mouse AP AP-Red Kit	D51-6 / D51-18	6ml / 18ml
Klear Mouse Fast-Red kit	D50-18 / D50-18	6ml / 18ml
Polink-2 Plus HRP RAT-NM DAB kit for Rat antibody on Mouse Tissue	D46-6 / D46-18	6ml / 18ml
Polink-2 Plus HRP RAT-NM AEC kit for Rat antibody on Mouse Tissue	D48-6 / D48-18	6ml / 18ml
Polink-2 Plus AP RAT-NM kit for Rat antibody on Mouse Tissue	D67-18 / D67-6	6ml / 18ml
Polink-2 Plus HRP Mouse-NR DAB kit for Mouse antibody on Rat tissue	D58-6 / D58-18	6ml / 18ml
Polink-2 Plus HRP Mouse-NR AEC kit for Mouse antibody on Rat tissue	D59-6 / D59-18	6ml / 18ml
Polink-2 Plus AP Mouse-NR kit for Mouse antibody on Rat tissue	D65-18 / D65-6	6ml / 18ml

**Precautions:**

Handle all specimens as potential infectious materials, wear gloves and protection cloth when handling all reagents.

**Remarks:**

For research use only.