

Mouse anti Kappa Light Chain Antibody Clone: KP53

Storage: 2-8°C

Catalog No: M11-005	1ml	<input type="checkbox"/>
M11-005s	0.2ml	<input type="checkbox"/>
M11-005U	6ml	<input type="checkbox"/>

Intended Use and Background:

Mouse anti Kappa light chain antibody (mouse IgG1 isotype) provides a qualitative determination of the kappa light chain in formalin-fixed paraffin-embedded human tissue section. There are five major classes of immunoglobulins, IgG, IgA, IgM, IgD, and IgE. Each immunoglobulin consists of two heavy chains and two light chains. There are two classes of light chains, kappa and lambda. Mouse anti Kappa light chain antibody reacts with kappa chain (bound or free) and does not react with lambda chain. This antibody may be helpful in detection of kappa-carrying surface immunoglobulin on normal and neoplastic B cells in tissue.

Kit Components:

Mouse anti-Kappa light chain Antibody is from mouse ascites fluid and preserved in PBS buffer containing BSA and 0.1% sodium azide.

Clone: KP53
Isotype: IgG₁
Immunogen: purified Bence Jones kappa chain protein
Reacts with: Human

Catalog No.	Format	Size
M11-005	Concentrate	1 ml
M11-005s	Concentrate	0.2ml
M11-005U	Ready-to-use	6ml

Positive Control Tissue: Tonsil

Staining pattern: intracytoplasmic

Pretreatment required: Not required.

Recommended Protocol:

Application tested: ELISA, IHC (FFPE). Working dilution for formalin-fixed paraffin-embedded human tissue section is from 1:50-100 depending on the detection system used. Optimal dilution needs to be determined by the investigator.

Manual staining procedure:

1. Deparaffinize slides
2. Submerge slides in peroxidase quenching solution for 10 minutes and rinse with distilled water 3 times, 2 minutes each.
3. Antigen retrieval if required.
4. Apply serum blocking solution (optional if use polymer detection system)
5. Apply primary antibody and incubate for 30-60 minutes at room temperature and rinse with PBS 3 times, 2 minutes each.
6. Apply secondary antibody conjugate and incubate according to the data sheet of detection system.
7. Apply enzyme conjugate and incubate according to the data sheet of detection system. Rinse with PBS 3 times, 2 minutes each.
8. Apply chromogen and incubate 5-10 minutes and rinse with PBS.

Precaution:

Wear gloves and take other necessary laboratory safety procedure.

Storage: Store at 2-8°C.

Remarks: For research use only. Not for diagnostic or therapeutic use.