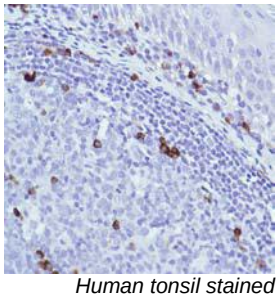
amsbio

Rabbit Anti-Human J-chain Monoclonal Antibody (Clone SP105)



Human tonsil stained with anti-J-chain antibody

CATALOG #:

M4050 0.1 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.

M4054 1 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.

M4051 7 ml pre-diluted rabbit monoclonal antibody purified by protein A/G in TBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.

INTENDED USE: For Research Use Only. Not for use in diagnostic procedures.

CLONE: SP105

IMMUNOGEN: Synthetic peptide near the internal region of human J-chain.

IG ISOTYPE: Rabbit IgG

EPITOPE: Not determined

MOLECULAR WEIGHT: 17kDa

SPECIES REACTIVITY: Human (tested). Others not tested.

DESCRIPTION: J chain is a small glycopeptide and is structurally unrelated to heavy or light chains, but is synthesized by all plasma cells that secrete polymeric immunoglobulins. J chain is linked to IgA and IgM by disulfide bonds, however, it has been detected in IgG- and IgD-containing cells. J chains are present in a large proportion of the immunoglobulin-positive cells in the germinal centers of the tonsil and lymph node. B cells secrete J chain at an early stage of differentiation with the expression persisting in those cells destined to produce IgA or IgM.

APPLICATIONS: Immunohistochemistry (IHC)

IHC PROCEDURE:
Specimen Preparation: Formalin-fixed, paraffin-embedded tissues are suitable for use with this primary antibody.
Deparaffinization: Deparaffinize slides using xylene or xylene alternative and graded alcohols.
Antibody Dilution: If using the concentrate format of this product, dilute the antibody 1:100. The dilutions are estimates; actual results may differ because of variability in methods and protocols.
Antigen Retrieval: Boil tissue section in 10 mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.
Primary Antibody Incubation: Incubate for 10 minutes at RT.
Slide Washing: Slides must be washed in between steps. Rinse slides with PBS/0.05% Tween.
Visualization: Detect the antibody as instructed by the instructions provided with the visualization system.

POSITIVE CONTROL: Tonsil

CELLULAR LOCALIZATION: Cytoplasm

STORAGE & STABILITY: Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.
There are no definitive signs to indicate instability of this product; therefore, positive and negative controls should be tested simultaneously with unknown specimens.

WARNINGS & PRECAUTIONS:

1. Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water.
2. This product is harmful if swallowed.
3. Consult local or state authorities with regard to recommended method of disposal.
4. Avoid microbial contamination of reagents.

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