



## Background

Recombinant Monoclonal Anti-CD5 Antibody, Rabbit (4G5) is a CD5 primary antibody for IHC application. CD5 is present on all mature T-lymphocytes, on most of thymocytes and on many T-cell leukemias and lymphomas. CD5 also reacts with a subpopulation of activated B-cells and may act as a receptor in regulating T-cell proliferation. CD5 is found on 95% of thymocytes and 72% of peripheral blood lymphocytes. In lymph nodes, the main reactivity is observed in T cell areas. CD5 is expressed by many T cell leukemia, lymphomas, and activated T cells. Diseases associated with CD5 dysfunction include thymus cancer and Richter's Syndrome.

## Key parameter

**Host Species** Rabbit

**Isotype** IgG

**Clone** 4G5

**Application** IHC

**Property** 1: 1000

**State** Liquid

**Positive Control** Human Tonsil Tissues

**Clonality** Monoclonal

**Research Field** Cancer Drug Targets

**Source** Rabbit

**Synonym** CD5

## Experiment Protocol

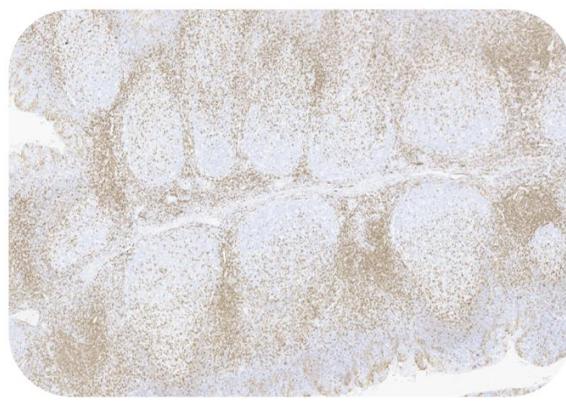
LEICA Experiment Protocol(Manual)

## Storage

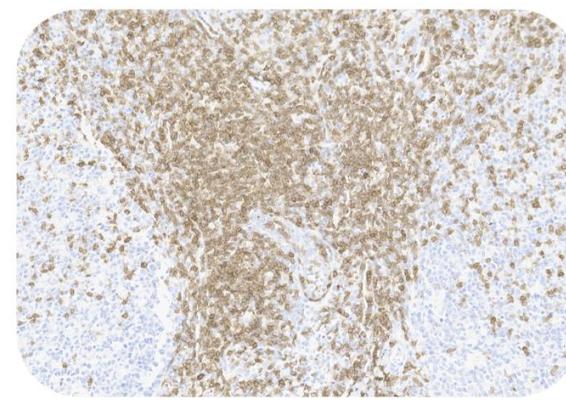
Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. The shelf life is 30 days from the date of opening.

## Typical Data

### Control Sample



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-CD5 Antibody, Rabbit (4G5) (HGS-S250)  
Human Tonsil Tissue, 4X



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-CD5 Antibody, Rabbit (4G5) (HGS-S250)  
Human Tonsil Tissue 20X

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# Recombinant Monoclonal Anti-CD5 Antibody, Rabbit (4G5)

Catalog # HGS-S250

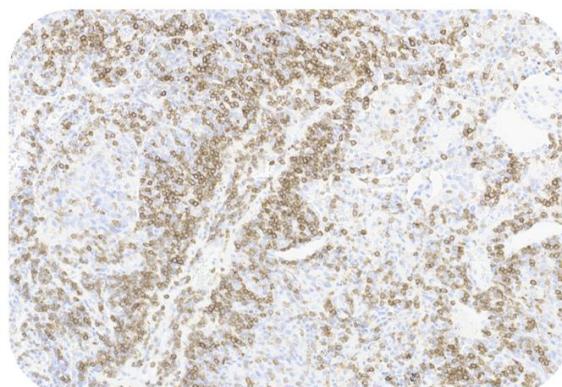


BIOSYSTEMS  
**Acro**  
Surprise Inside!

## Immunohistochemical analysis of paraffin embedded Human tonsil tissue labelled with HGS-S250 at 1/1000 dilution.

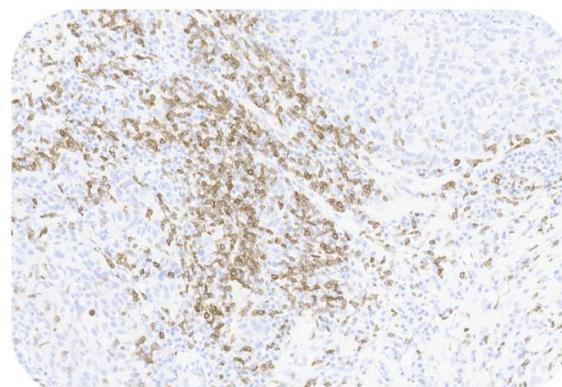
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

### Cancer Sample



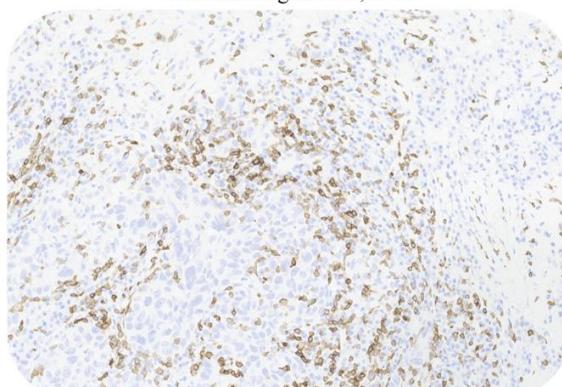
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-CD5 Antibody, Rabbit (4G5) (HGS-S250)

Human Lung Cancer, 20X



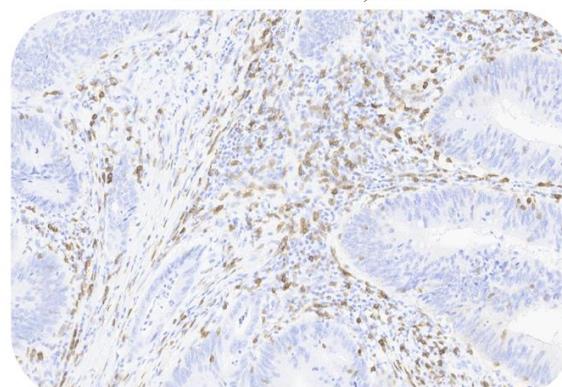
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-CD5 Antibody, Rabbit (4G5) (HGS-S250)

Human Liver Cancer, 20X



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-CD5 Antibody, Rabbit (4G5) (HGS-S250)

Human Liver Cancer, 20X



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-CD5 Antibody, Rabbit (4G5) (HGS-S250)

Human Colorectal Cancer, 20X

## Immunohistochemical analysis of paraffin embedded human cancer tissue labelled with HGS-S250 at 1/1000 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

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