

## CD25 (IL2RA/2395)

Format	Catalog No.	Pack size	Dilution
Concentrated	G3559 A, B, C	0.1, 0.5, 1.0 ml	1:100
Prediluted	G3559 AA, BB	6.0 ml, 3.0 ml	Ready to use

**SPECIES:** Mouse

**IMMUNOGEN:** Recombinant fragment of human IL2RA protein (around aa 42-183) (exact sequence is proprietary)

**CLONE:** IL2RA/2395

**ISOTYPE:** IgG2b/Kappa

**FORMAT:** 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### BACKGROUND

Recognises the 55 kDa protein known as CD25. Activated monocytes/macrophages, as well as T- and B-cells, express it. Regarding lymphomas, CD25 is found on the cancerous cells of HTLV-1+ adult T-cell leukaemia, cutaneous T-cell lymphoma, hair cell leukaemia, and Hodgkin's disease. Leukaemias and lymphomas, as well as inflammatory and autoimmune disorders, are associated with elevated levels of soluble CD25. When combined with CD122 (the IL-2R chain, p75) and CD132 (the common chain), the CD25 molecule forms the high affinity IL-2 receptor complex, but it appears to act as a low affinity receptor on its own. Three epitope regions—A, B, and C—are detected by CD25 antibodies. This MAb does not prevent IL-2 from binding to CD25; instead, it recognises the epitope B, which is found at position 3-104 of CD25.

**SPECIES REACTIVITY :** Human

**POSITIVE CONTROL :** PHA-stimulated human lymphocytes. Human lymph node or tonsil.

**CELLULAR LOCALIZATION :** Membrane

**TITER/WORKING DILUTION :** : Immunohistochemistry (Frozen and Formalin-fixed): 0.5-1 µg/ml

Flow Cytometry: 0.5-1 µg/million cells

Western Blotting: 0.5-1 µg/ml

Immunofluorescence: 0.5-1 µg/ml

Immunoprecipitation: 0.5-1 µg/500µg protein lysate

**MICROBIOLOGICAL STATE :** This product is not sterile.

### LIMITATIONS AND USES

1. Not to be consumed internally.
2. For research use only (RUO).
3. This product is designed for qualitative immunohistochemistry using formalin-fixed, paraffin-embedded
4. tissue sections from both normal and malignant tissues, which will be examined under a light microscope.



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5. If the reagent gets hazy, don't use it.
6. Never use after the expiration date.
7. When working with reagents, exercise caution.
8. Not sterile.

#### PROCEDURE

1. **Tissue Section Pretreatment (Necessary):** Citrate Plus pretreatment greatly improves the staining of tissue slices that have been paraffin embedded and fixed with formalin. (Genebio catalog#)
2. **Incubation Time for Primary Antibody:** We recommend 30 minutes at room temperature for incubation.  
However, the user should choose the best incubation time based on the staining system used and the fixing circumstances.
3. **Visualisation:** To get the highest staining intensity, we advise combining the "DAB Chromogen/Substrate Bulk Pack (High Contrast)" (Genebio catalog#) with the "UltraTek HRP Anti-Polyvalent Lab Pack" (Genebio catalog#).

#### PRECAUTIONS

1. Contains 0.09% w/v sodium azide as a preservative.
2. Avoid pipetting by mouth.
3. Reagents and specimens should not come into touch with skin or mucous membranes.
4. Prevent reagent contamination by microorganisms, as this could lead to an increase in nonspecific staining.
5. There are no dangerous materials in this product.



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