

CD15 (MMA)

Format	Catalog No.	Pack size	Dilution
Concentrated	G2028 A, B, C	0.1, 0.5, 1.0 mL	1:100
Prediluted	G2028 AA, BB	6.0, 3.0 mL	Ready to use

SPECIES: Mouse

IMMUNOGEN: U937 histiocytic cell line

CLONE: MMA

ISOTYPE: IgM, kappa

FORMAT: Bioreactor Concentrate with 0.05% Azide.

SPECIFICITY – This antibody reacts with a 220 kDa protein, CD15 / FUT4 expressed on Reed-Sternberg cells.

BACKGROUND –

Phagocytosis, bactericidal action, and chemotaxis are all mediated by CD15. More than 95% of granulocytes, including neutrophils and eosinophils, have it, while monocytes have it to a lower extent. Furthermore, some epithelial cells and Reed-Sternberg cells express CD15.

The CD15 antibody is a very helpful tool for diagnosing Hodgkin's disease. Large cell lymphomas of both B and T phenotypes, which normally have a very different histological appearance, can occasionally express CD15.

SPECIES REACTIVITY : Human. Others not known

POSITIVE CONTROL : U937 cells, Reed-Sternberg's cells in Hodgkin's lymphoma

CELLULAR LOCALIZATION : Cell surface and granular paranuclear

TITER/WORKING DILUTION : Immunohistochemistry (Frozen and Formalin-fixed): 1:50-1:100

Flow Cytometry: 5-10 µl/million cells

Immunofluorescence: 1:50-1:100

Western Blotting: 1:100-1:200

MICROBIOLOGICAL STATE : This product is not sterile.

LIMITATIONS AND USES:

1. For research use only (RUO)
2. Not to be consumed internally.
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.
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.



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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.
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)"] with the "HRP Pack".

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.

TECHNICAL SUPPORT

For technical assistance, please contact Genebio Solution's Technical Support at www.genebiosolution.com



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