

CD15/Lewis (Reed-Sternberg Cell Marker) Clone FR4A5

Description:

Immunogen:	Myelomonocytic leukemia cells
Clone:	FR4A5
Isotype:	Mouse IgM
Format:	This antibody has been pretitered and quality controlled to work on frozen tissue only . No further titration is required.
Specificity:	CD15 recognizes a 220kDa carbohydrate structure, which is identified as 3-fucosyl-N-acetyllactosamine (3-FAL) and is also known as CD15 or X-hapten. CD15 plays a role in mediating phagocytosis, bactericidal activity, and chemotaxis. It is present on >95% of granulocytes including neutrophils and eosinophils and to a lesser degree on monocytes. In addition, CD15 is expressed in Reed-Sternberg cells and some epithelial cells. CD15 antibody is very useful in the identification of Hodgkin's disease. CD15 is occasionally expressed in large cell lymphomas of both B and T phenotypes which otherwise have a quite distinct histological appearance.
Species Reactivity:	Human. Others-not tested
Positive Control:	Reed-Sternberg's cells in Hodgkin's lymphoma

Uses/Limitations: Immunohistochemistry
For Research Use Only.
Do not use past expiration date.

Storage: 2-8° Centigrade.

Procedure: ScyTek Laboratories, Inc. suggests an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubations should be determined by the user.

Precautions: Contains Sodium Azide as a preservative.
Do not pipette by mouth.

References:

- i) Chetty R. et al. Human Pathology 1997 Apr, 28(4):493-8.
- ii) Masmiquel L; et al. Journal of Clinical Pathology, 1997 Feb, 50(2):168-70
- iii) Von Wasielewski R; et al. Am J of Pathology, 1997, 150:793-803.
- iv) Ariza A; et al. Journal of Clinical Pathology, 1996 Jun, 49(6):474-7.
- v) Mayer B; et al. Gastroenterology, 1996 Dec, 111(6):1433-46.