

DATA SHEET

CD45 / T200 / LCA Ab-2 (Clone PD7/26/16+2B11)

Mouse Monoclonal Antibody

Cat. #DLN-09105, DLN-09106 or DLN-09104 (0.1ml, 0.5ml or 1ml Supernatant) Cat. #DLN-83890, DLN-83891, or DLN-83893 (0.1ml, 0.5ml, or 1.0ml at 200ug/ml) Cat. #DLN-83892 (0.2ml at 1.0mg/ml) (Purified without BSA and Azide) Cat. #DLN-09103 (7.0ml)

Description: CD45 leucocyte common antigen (LCA) belongs to the family of at least four isoforms of membrane glycoproteins (220, 205, 190, 180kDa) expressed on hematopoietic cell lines but absent on non-hematopoietic cell lines, normal and malignant non-hematopoietic tissues. The intracellular portion of these molecules have protein phosphatase activity and are involved in regulation of transmembrane signals. Antibody to CD45 is useful in differential identification of lymphoid tumors from non-hematopoietic undifferentiated neoplasms.

Mol. Wt. of Antigen: 220, 205, 190, 180kDa

Epitope: Not determined

Species Reactivity: Human. Does not react with rat and dog. Others-not known.

Clone Designation: PD7/26/16 + 2B11

Ig Isotype / Light Chain: IgG_1/κ

Immunogen:

PD7/26/16: human peripheral blood lymphocytes maintained in T cell growth factor. 2B11: isolated neoplastic cells from T cell lymphoma.

Applications and Suggested Dilutions:

- Flow Cytometry
- Immunofluorescence
- Immunohistology (Formalin/paraffin)
- (Ab 1:50-1:100 for 30 min at RT)
- * [No special pretreatment is required for immunohistochemical staining of formalin/paraffin tissues].

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: Tonsil

Cellular Localization: Cell membrane

Supplied As: Tissue culture supernatant with 0.09% sodium azide,

or

Prediluted antibody which is ready-to-use for staining of formalin-fixed, paraffin-embedded tissues.

Storage and Stability:

Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months.

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Key References:

- 1. Gatter KC; et al. Lancet, 1985 Jun 8, 1(8441):1302-5.
- 2. Michie SA; et al. American Journal of Clinical Pathology, 1987 Oct, 88(4):457-62.

Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. Dianova is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

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