



MONOCLONAL ANTI-HUMAN ADRENOLEUCODYSTROPHY PROTEIN ANTI-ALDP

NB-01-0005

Volume: 100 µl

Format: Crude Ascites fluid

Clones: 2AL-1D6

Immunogen: ALDP fragment from aa 279 to aa 482 as a fusion protein

Murine Isotype: IgG1, k

Specificity: Human ALDP ; no cross-reaction on mouse ALDP, mouse ALDRP, PMP70 Cross-reaction on an unidentified 80 kd MW protein present in lymphoblastoid cells, but not in several other cells or tissues tested

Applications:

- ELISA
- Immunoblotting
- Immunocytochemistry
- Immunohistochemistry

The 1D6 antibody can be used in western blot, immunofluorescence or immunohistochemical studies to analyse the ALDP protein in cells and tissues for normal individuals, or from patients with adrenoleukodystrophy (ALD) or Zellweger syndrome and related peroxisomal diseases, and provides an excellent marker for peroxisomes (Mosser et al. 1994). About 70% of ALD male patients have no detectable ALDP in fibroblasts or leukocytes. A similar proportion of carrier females may show mosaicism for the presence or absence of ALDP.

Recommended dilution: 1/500 -1/5000

Storage:

- Store at -20°C (up to 3 years)
- Avoid repeat freezing and thawing cycles. Does not contain any preservative

References:

Mosser & al Human Molecular Genetics (1994) 3: 265-271

P. Aubourg and JL Mandel: (1996) Annals of the NY Academy of Sciences 804: 461-476

Lombard-Platet & al; Proc. Natl. Acad. Sci. (USA) (1996)93: 1265-1269