Specification Sheet

Please note
Some information is Lot dependent.

Ready-To-Use
DAKO LSAB®
Primary Antibody
and Negative Control
CODE NO.: N 1573

NAME: RABBIT ANTI-S100, PREDILUTED

PRESENTATION:

PRIMARY ANTIBODY: 7 ml rabbit antiserum to bovine S100 in 0.05M Tris-HCl buffer, pH 7.6, containing carrier protein and 15mM sodium azide.

NEGATIVE CONTROL REAGENT: 5 ml nonimmune rabbit serum in 0.05M Tris-HCl buffer, pH 7.6, containing carrier protein and 15mM sodium azide.

INTENDED USE:
This product has been optimally diluted for use in DAKO LSAB® Kits and DAKO LSAB® 2 Kits. Primary antibody or negative control reagent should be applied as directed in the Instructions included with each kit. The recommended incubation time of this primary antibody is 10 minutes at room temperature.

FOR RESEARCH USE ONLY. Not for use in diagnostic procedures.

IMMUNOGEN:
Affinity purified S100 isolated from bovine brain as described previously using buffers containing 2.5mM EDTA and 0.1mM 2-mercaptoethanol.1

REACTIVITY:
S100 is a multifunctional protein that has been localized in many cell types. Three dimeric forms with a cell-type dependent distribution have been identified: S100 Aα, S100 A, and S100 B composed of subunits αα, αβ, and ββ, respectively.2

This product reacts with both bovine and human S100. Cross-reactivity with S100 from chicken, kangaroo, mouse, and rat has also been demonstrated. Traces of contaminating antibodies have been removed by solid-phase absorption with human plasma and bovine serum. The specificity has been ascertained with immunohistochemistry, crossed immunoelectrophoresis, and ELISA.

This antibody labels glial cells in the central nervous system, Schwann cells in the peripheral nervous system as well as their neoplastic derivatives.3-6 Melanocytes and Langerhans cells in the skin as well as cells of benign and malignant melanocytic tumors are also labelled.7-10 Chondrocytes and cells of chondromas and chondrosarcomas are reactive.11,12 Myoepithelial cells of breast and salivary glands are positive.13,14 In the normal lymph node some macrophages as well as a subset of T-lymphocytes have been demonstrated, however malignant lymphomas including some T-cell lymphomas are unreactive.9,15-17 Other cells labelled include adipocytes, stellate cells of the pituitary, and satellite cells of the adrenal gland.7

SPECIMEN:
Formalin-fixed, paraffin-embedded tissue sections, cryostat sections, and cell preparations. Use of proteolytic enzymes is recommended for greater staining intensity and uniformity on formalin-fixed tissues.

APPLICATION:
This product can be used to demonstrate S100 in normal and neoplastic tissues.

LIMITATIONS:
This product has been developed for use in DAKO LSAB® and DAKO LSAB® 2 Kits. It may also be used as a primary antibody and negative control in other staining systems, however, some procedural alterations may be required to achieve optimal results. This antibody is not compatible with DAKO LSAB® + Kits.

STORAGE:
Store at 2-8°C.
REFERENCES:

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