IHCAb™ S100 mouse mAb (BGT094)

Cat #: B-IMW6987

Size: 100 μL

Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.

Background

The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21; however, this gene is located at 21q22.3. This protein may function in Neurite extension, proliferation of melanoma cells, stimulation of Ca2+ fluxes, inhibition of PKC-mediated phosphorylation, astrocytosis and axonal proliferation, and inhibition of microtubule assembly. Chromosomal rearrangements and altered expression of this gene have been implicated in several neurological, neoplastic, and other types of diseases, including Alzheimer's disease, Down's syndrome, epilepsy.

Product Information

Applications/Dilution: IHC-p 1:100-500, IF 1:100-500

Isotype/Source: Mouse, Monoclonal/IgG2b, Kappa

Specificity: The antibody can specifically recognize human S100B protein, and has a weak reaction with S100A1, but no cross reaction with S100A4 or S100A6

Subcellular Location: Cytoplasm . Nucleus

Expression: Cytoplasm . Nucleus

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.39% sodium azide
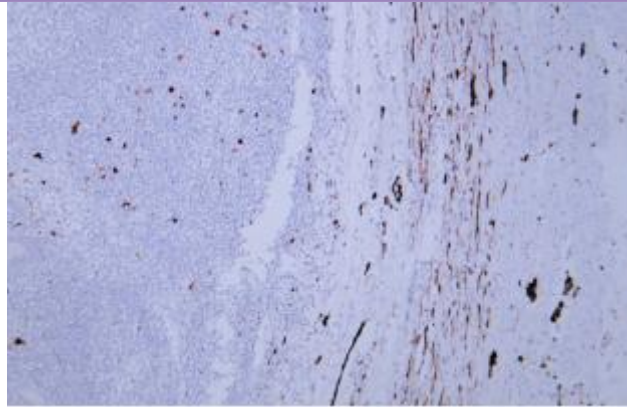
Storage: Store at -15°C to -25°C

Fig.1. Human appendix tissue was stained with Anti-S100 Antibody. Secondary Antibody was Biogradetech POLY ™ Polymer HRP Goat Anti-Rabbit/Mouse IgG(H+L) Secondary Antibody (B-IMWRS11)
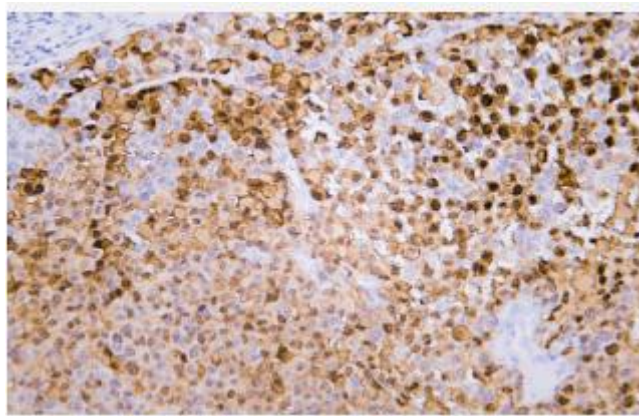

Fig.2. Human malignant melanoma tissue was stained with Anti-S100 Antibody. Secondary Antibody was Biogradetech POLY™ Polymer HRP Goat Anti-Rabbit/Mouse IgG(H+L) Secondary Antibody (B-IMWRS11)

Note:

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.