



DataSheet

CATALOGUE #: 4S37

PRODUCT NAME: Monoclonal mouse anti-human S-100 protein

MAbs: 8B10, 6G1, 3B10, 4B3

Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with human brain S-100 protein.

Specificity: MAbs 8B10, 6G1 and 4B3 are specific to S-100 β and S-100 α β .
MAb 3B10 is specific to S-100 α β .

MAb isotypes: **IgG1** for MAbs 8B10 and 6G1
IgG2a for MAbs 3B10 and 4B3

Applications: S-100 immunoassay and immunoaffinity purification (except 4B3).
All MAbs are working in Western blotting.
Recommended pairs for sandwich immunoassay (capture-detection):
8B10 – 6G1
3B10 – 6G1
MAbs 8B10, 3B10 and especially 6G1 are sensitive to EDTA or other bivalent-binding agents. Better performance can be obtained in presence of 5 mM CaCl₂ in the assay buffers.

Purification: Chromatography on protein A Sepharose

Presentation: PBS, pH 7.4, 0.09 % sodium azide (NaN₃)

Storage: +4 °C (+2 ... +8 °C allowed)

Material safety note: This product is sold **for research use only**. Standard Laboratory Practices should be followed when handling this material.

Product contains sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.

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