



Catalog Number GTX11180 **Package:** 100 µl

[Reference](#) (1)

Product Name S100 alpha 2 antibody [SHL1]

Full Name S100 calcium binding protein A2

Synonyms S100L, CAN19, S100 alpha 2, P29034, 6273, S100A2, S100 alpha2, 176993, MGC111539

Product Description Mouse monoclonal antibody [SH - L1] to S100 alpha 2

Specificity The product does not react with other members of the EF-hand family including calmodulin, parvalbumin, intestinal calcium-binding protein, S100A6 (calcyclin), caltropin, the alpha chain of S100 (i.e. in S100a and S100ao), or the beta chain (i.e. in S100a and S100b).

Background This protein 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. This protein may have a tumor suppressor function. Chromosomal rearrangements and altered expression of this gene have been implicated in breast cancer.

Host Mouse

Clonality Monoclonal

Clone Name SHL1

Isotype IgG1

Target S100 alpha 2

Immunogen Full length native protein (purified) (Pig).

Antigen Species Pig

Species Reactivity Human, Dog, Pig, Rat, Cat, Goat, lizard, Bovine

Applications ELISA, ICC/IF, IP, WB

Application Note **Recommended Starting Dilutions:**

ELISA: Use at an assay dependent dilution.

IF: Use at a dilution of 1/1000.

IP: Use at an assay dependent dilution.

WB: Use at an assay dependent dilution. Predicted molecular weight: 129 kDa.

Not tested in other applications. Optimal dilutions/concentrations should be determined by the end user.

Positive Controls MDBK cells (immunofluorescence)

Cellular Localization Plasma membrane

Form Supplied Liquid

Purification Ascites

Concentration Ascites

Storage Buffer Preservative: 15mM Sodium Azide

Storage Instruction Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Notes For *In vitro* laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

ResearchArea [Cancer](#) > [Type of cancer](#) > [Lung](#) > [Non-small cell](#)

Application Reference

1. Carolan BJ (2006) *Cancer Res* 10729-40