

Product datasheet for **CF504478**

S100P Mouse Monoclonal Antibody [Clone ID: OTI1A4]

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI1A4 |
| Applications: | IF, WB |
| Recommended Dilution: | WB 1:2000, IF 1:100 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human S100P(NP_005971) produced in HEK293T cell. |
| Formulation: | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose) |
| Reconstitution Method: | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 10.2 kDa |
| Gene Name: | S100 calcium binding protein P |
| Database Link: | NP_005971 Entrez Gene 6286 Human P25815 |

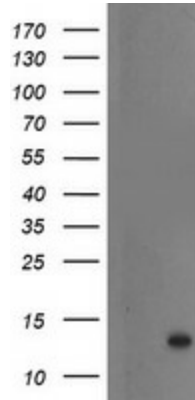
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Background:

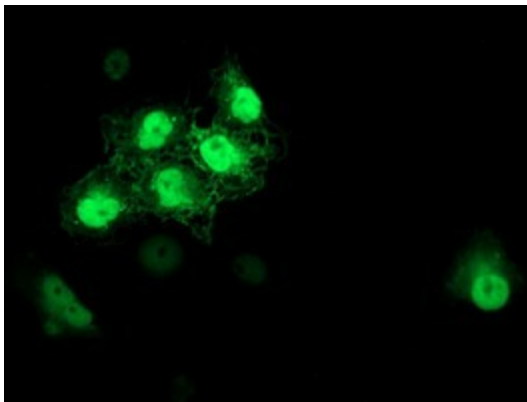
The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21; however, this gene is located at 4p16. This protein, in addition to binding Ca^{2+} , also binds Zn^{2+} and Mg^{2+} . This protein may play a role in the etiology of prostate cancer. [provided by RefSeq]

Synonyms:

MIG9

Product images:


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY S100P (Cat# [RC201533], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-S100P (Cat# [TA504478]). Positive lysates [LY401809] (100ug) and [LC401809] (20ug) can be purchased separately from OriGene.



Anti-S100P mouse monoclonal antibody ([TA504478]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY S100P ([RC201533]).