CoraLite® Plus 488-conjugated SMARCE1 Monoclonal antibody

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Catalog Number:CL488-66182

Basic Information

Catalog Number:
CL488-66182

Size:
2000 μg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG1161

GenBank Accession Number:
BC007082

GeneID (NCBI):
6605

UNIPROT ID:
Q969G3

Full Name:
SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1

Calculated MW:
47 kDa

Observed MW:
50-55 kDa

Purification Method:
Protein G purification

CloneNo.:
1F3D6

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human

Background Information

Via antagonizing chromatin-mediated transcriptional repression, the SWI/SNF complex in S. cerevisiae and Drosophila is thought to facilitate transcriptional activation of specific genes. The BRG1/brm-associated factors, or SMARCE1, complex in mammals is functionally related to SWI/SNF and consists of 9 to 12 subunits, some of which are homologous to SWI/SNF subunits. It contains a DNA-binding HMG domain and performs multiple biological functions, including DNA-, protein- and chromatin-binding, transcription coactivating activity, chromatin modification, DNA-dependent negative regulation of transcription, regulation of transcription of the RNA polymerase II promoter. In addition, SMARCE1, as an ER (estrogen receptor) subtype-selective modulator, regulates ER mediated transcription in a ligand-dependent manner and also directly binds to AR (androgen receptor) to alter its activity. The calculated molecular weight of SMARCE1 is 47 kDa, but modified SMARCE1 is about 55 kDa.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage