

# CUBEMEMBER

The CUBEMEMBER function returns a member or tuple from the cube. You can use it to validate that the member or tuple exists in the cube.

## Before You Begin

Ensure you know the syntax and specifics of CUBEMEMBER. For details, see [CUBEMEMBER function](#).

## Syntax

```
CUBEMEMBER(connection, member_expression, [caption])
```

Consider that for `member_expression` you cannot include in-line MDX functions. Instead, you should use a key-based MDX member reference string. `member_expression` can also be a tuple, specified as a cell range or an array constant.

Here are a few examples:

- ▲ Static text string: "[Measure].[Order Quantity]"
- ▲ Concatenated text string: "[Product].[Product Categories].[Category].&["&B16&"]"
- ▲ Cell range: B1:B3
- ▲ Cell list: {"[Measures].[Order Quantity Long]","[Product].[Product Categories].[Category].&[4]"}
- ▲ Cell list: (B1,B3)

The following examples show how you can use the CUBEMEMBER function.

## CUBEMEMBER(Connection, Measure Member)

MDX query name:

```
B1= Internet Sales Amount Local
```

Example:

```
C1=CUBEMEMBER("Connection Name", "[Measures].["&B1&"]")
```

## CUBEMEMBER(Connection, Measure Member, [Caption])

MDX query name:

```
B2= Order Quantity Long
```

Example:

```
C2=CUBEMEMBER("Connection Name", "[Measures].[&B2&]", "Order Quantity")
```

## CUBEMEMBER(Connection, Dimension Member)

This example is for lower level of the hierarchy.

MDX query name:

```
Country = United States
State = CA
Country Code= US
```

Example:

```
` `C7=CUBEMEMBER("Connection Name", "[Customer].[Customer Geography].[Customer Country].& [CA] & [US]")` `
```

For the level of the hierarchy with more than one key column, all the key columns should be specified in the formula; in this example, State and Country Code.

## CUBEMEMBER(Connection, CUBEMEMBER Measure, CUBEMEMBER Dimension(S))

MDX query name:

```
C2=CUBEMEMBER- Order Quantity
C3=CUBEMEMBER- United States
C4=CUBEMEMBER- Accessories
```

Examples:

```
C8=CUBEMEMBER("Connection Name", (C2,C3), "Order Quantity-United States")
C9=CUBEMEMBER("Connection Name", C2:C4, "Order Quantity-US-Accessories")
```

## CUBEMEMBER(Connection, CUBEMEMBER Dimension1, CUBEMEMBER Dimension2)

MDX query name:

```
C3=CUBEMEMBER- United States
C4=CUBEMEMBER- Accessories
```

Example:

```
C10=CUBEMEMBER("Connection Name", (C3,C4),"US-Accessories")
```

## More Information

[Using CUBE functions](#)