

# CoraLite®647-conjugated U2AF35 Monoclonal antibody

Catalog Number: **CL650-60289**

## Basic Information

**Catalog Number:**

CL650-60289

**Size:**

1000 µg/mL

**Source:**

Mouse

**Isotype:**

IgG2c

**Immunogen Catalog Number:**

AG0399

**GenBank Accession Number:**

BC001923

**GeneID (NCBI):**

7307

**UNIPROT ID:**

Q01081

**Full Name:**

U2 small nuclear RNA auxiliary factor

1

**Calculated MW:**

28 kDa

**Observed MW:**

35-40 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

2B7F11

**Excitation/Emission maxima  
wavelengths:**

654 nm / 674 nm

## Applications

**Tested Applications:**

FC (Intra)

**Species Specificity:**

human, mouse, rat

## Background Information

U2 auxiliary factor (U2AF), comprising a large and a small subunit, is a non-snRNP protein required for the binding of U2 snRNP to the pre-mRNA branch site. U2 (RNU2) small nuclear RNA auxiliary factor 1 (U2AF1, synonyms: RN, FP793, U2AF35, U2AFBP, RNU2AF1) is the small subunit which plays a critical role in both constitutive and enhancer-dependent RNA splicing by directly mediating interactions between the large subunit and proteins bound to the enhancers. The U2AF1 gene is localized to chromosome 21q22.3, which is the critical region for three diseases, progressive myoclonus epilepsy, autoimmune polyglandular disease type 1, and one form of bipolar affective disorder. The calculated molecular weight of U2AF35 is 28 kDa, but the modified U2AF35 protein is about 35-40 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

