

Human F-box protein 15/FBXO15 Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 612834

Catalog Number: IC6035G
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human F-box protein 15/FBXO15 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant mouse F-box protein 15 is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # 612834
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human F-box protein 15/FBXO15 isoform 2 Asn298-Tyr434 Accession # Q8NCQ5-2
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	0.25-1 µg/10 ⁶ cells	BG01V human embryonic stem cells fixed with paraformaldehyde and permeabilized with saponin

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

FBXO15 (F-box only protein 15; also FBX15) is a 50-60 kDa member of the F-box family, O-subfamily of molecules that is most closely related to FBXO8 and O11. It is found in pluripotent stem cells and testis tissue, and apparently serves as a substrate recognition component of the SCF-type E3 ubiquitin ligase. Human FBXO15 (isoform 2 of accession Q8NCQ5) is 434 amino acids (aa) in length. It contains one F-box (aa 1-41) that likely serves as an interaction domain for SKP1. There are two potential isoforms, one that contains an alternative start site 76 aa upstream of the standard site (isoform 1 of accession Q8NCQ5), and a second that shows complex splicing that includes a 66 aa insertion after Asn35, a Ser substitution for aa 186-256, and a 106 aa substitution for aa 304-346. Over aa 298-434, human FBXO15 shares 53% aa identity with mouse FBXO15.

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