For Research Use Only

## CoraLite® Plus 488-conjugated HLA-F Monoclonal antibody



**Purification Method:** 

493 nm / 522 nm

Catalog Number: CL488-66819

**Basic Information** 

Catalog Number: GenBank Accession Number:

CL488-66819 BC062991 Protein G purification GeneID (NCBI): CloneNo.:

100ul, Concentration: 1000 ug/ml by 3134 1B12C2 Nanodrop:

**UNIPROT ID:** Recommended Dilutions: P30511 IF/ICC 1:50-1:500

Mouse Full Name: Excitation/Emission maxima wavelengths:

Isotype: major histocompatibility complex, lgG1 class I. F

Immunogen Catalog Number: Calculated MW:

39 kDa AG6475

> Observed MW: 40-45 kDa

**Applications** 

**Tested Applications:** 

Species Specificity:

Positive Controls:

IF/ICC: Raji cells,

## **Background Information**

Human major histocompatibility complex (MHC) antigens, also referred to as human leukocyte antigens (HLA), are encoded by genes located on the short arm of chromosome 6 (6p21.3). There are two classes of HLA antigens: class I and class II. This class I molecules are membrane glycoproteins composed of a heavy (alpha) chain which is encoded by a HLA class I gene, and β2-microglobulin light (beta) chain. The most extensively characterized members of the HLA class I gene family are the genes encoding the major transplantation antigenes, HLA-A, B and C. HLA-F is a non-classical MHC class I molecule. (PMID: 667938; 3375250; 2249951)

Storage

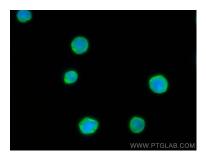
Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Raji cells using CoraLite® Plus 488 HLA-F antibody (CL488-66819, Clone: 1B12C2) at dilution of 1:200.