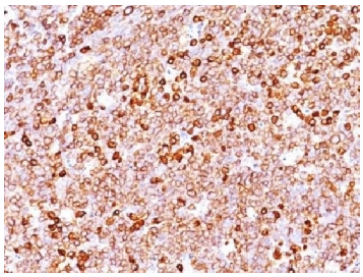
# Recombinant CD79a Antibody / Rabbit Monoclonal [clone IGA/1688R] (V3482)

| Catalog No. | Formulation | Size |
|---|---|---|
| V3482-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V3482-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V3482SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |
| V3482IHC-7ML | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml |

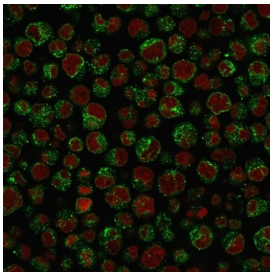
Recombinant RABBIT MONOCLONAL

**Bulk quote request**

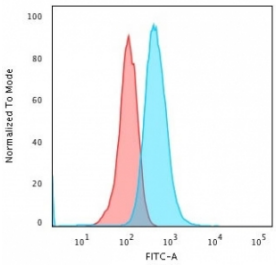
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Purified |
| **Clonality** | Recombinant Rabbit Monoclonal |
| **Isotype** | Rabbit IgG, kappa |
| **Clone Name** | IGA/1688R |
| **Purity** | Protein A affinity chromatography |
| **UniProt** | P11912 |
| **Localization** | Cell surface, cytoplasmic |
| **Applications** | Western Blot : 1-2ug/ml<br>Immunofluorescence : 1-2ug/ml<br>Flow Cytometry : 1-2ug/10^6 cells<br>Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT |
| **Limitations** | This recombinant CD79a antibody is available for research use only. |



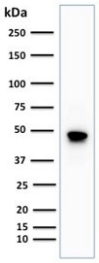
IHC testing of FFPE human tonsil with recombinant CD79a antibody (clone IGA/1688R). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA, for 10-20 min followed by cooling at RT for 20 min.



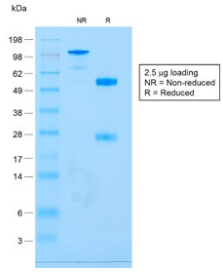
Immunofluorescent staining of PFA-fixed human Raji cells with recombinant CD79a antibody (green, clone IGA/1688R) and Reddot nuclear stain (red).




Flow cytometry testing of human Raji cells with recombinant CD79a antibody (clone IGA/1688R); Red=isotype control, Blue= CD79a antibody.




Western blot testing of human Raji cell lysate with recombinant CD79a antibody (clone IGA/1688R). Expected molecular weight: 25-47 kDa depending on glycosylation level.




SDS-PAGE analysis of purified, BSA-free recombinant CD79a antibody (clone IGA/1688R) as confirmation of integrity and purity.

## Description

A disulphide-linked heterodimer, consisting of mb-1 (or CD79a) and B29 (or CD79b) polypeptides, is non-covalently associated with membrane-bound immunoglobulins on B cells. This complex of mb-1 and B29 polypeptides and immunoglobulin constitute the B cell Ag receptor. CD79a first appears at pre B cell stage, early in maturation, and persists until the plasma cell stage where it is found as an intracellular component. CD79a is found in the majority of acute leukemias of precursor B cell type, in B cell lines, B cell lymphomas, and in some myelomas. It is not present in myeloid or T cell lines. Anti-CD79a is generally used to complement anti-CD20 especially for mature B-cell lymphomas after treatment with Rituximab (anti-CD20). This antibody will stain many of the same lymphomas as anti-CD20, but also is more likely to stain B-lymphoblastic lymphoma/leukemia than is anti-CD20. Anti-CD79a also stains more cases of plasma

cell myeloma and occasionally some types of endothelial cells as well.

## Application Notes

Optimal dilution of the recombinant CD79a antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Amino acids 202-216 (GTYQDVGSLNIADVQ) were used as the immunogen for the recombinant CD79a antibody.

## Storage

Store the recombinant CD79a antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).