

Anti-CD22 (phospho Y822) antibody [Y506] ab32123

RabMAb

★★★★★ [1 Abreviews](#) [2 References](#) [画像数 4](#)

製品の概要

| | |
|--------------|--|
| 製品名 | Anti-CD22 (phospho Y822) antibody [Y506] |
| 製品の詳細 | Rabbit monoclonal [Y506] to CD22 (phospho Y822) |
| 由来種 | Rabbit |
| 特異性 | ab32123 recognises CD22 phosphorylation on Tyrosine 822. This antibody is predicted to detect splice isoform 2 based on sequence homology. |
| アプリケーション | 適用あり: WB, Flow Cyt, Dot blot 適用なし: IHC or IP |
| 種交差性 | 交差種: Human |
| 免疫原 | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| ポジティブ・コントロール | WB: Ramos and Raji cell lysates treated with Pervanadate. Flow Cyt: K562 cells treated with Pervanadate. |
| 特記事項 | <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

製品の特性

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|-------|--|
| 製品の状態 | Liquid |
| 保存方法 | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| バッファー | pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA |
| 精製度 | Protein A purified |

| | |
|--------|---------|
| ポリ/モノ | モノクローナル |
| クローン名 | Y506 |
| アイソタイプ | IgG |

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab32123の使用に適用されます**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

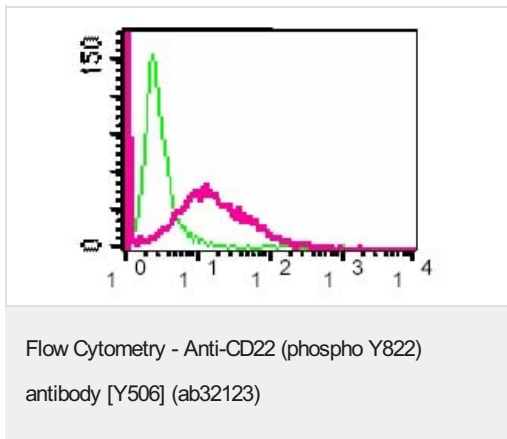
| アプリケーション | Abreviews | 特記事項 |
|----------|-----------|---|
| WB | | 1/1000. Detects a band of approximately 150 kDa (predicted molecular weight: 95 kDa). |
| Flow Cyt | ★★★★★ (1) | 1/10. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. |
| Dot blot | | 1/1000. |

追加情報 Is unsuitable for IHC or IP.

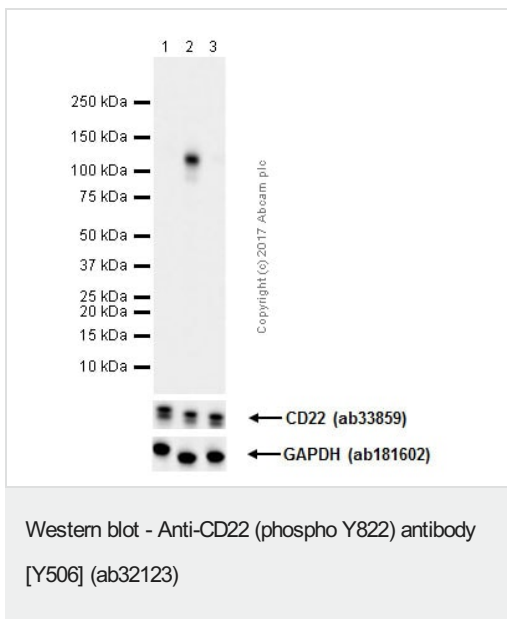
ターゲット情報

| | |
|--------------|--|
| 機能 | Mediates B-cell B-cell interactions. May be involved in the localization of B-cells in lymphoid tissues. Binds sialylated glycoproteins; one of which is CD45. Preferentially binds to alpha-2,6-linked sialic acid. The sialic acid recognition site can be masked by cis interactions with sialic acids on the same cell surface. Upon ligand induced tyrosine phosphorylation in the immune response seems to be involved in regulation of B-cell antigen receptor signaling. Plays a role in positive regulation through interaction with Src family tyrosine kinases and may also act as an inhibitory receptor by recruiting cytoplasmic phosphatases via their SH2 domains that block signal transduction through dephosphorylation of signaling molecules. |
| 組織特異性 | B-lymphocytes. |
| 配列類似性 | Belongs to the immunoglobulin superfamily. SIGLEC (sialic acid binding Ig-like lectin) family. Contains 6 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain. |
| ドメイン | Contains 4 copies of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in modulation of cellular responses. The phosphorylated ITIM motif can bind the SH2 domain of several SH2-containing phosphatases. |
| 翻訳後修飾 | Phosphorylation of Tyr-762, Tyr-807 and Tyr-822 are involved in binding to SYK, GRB2 and SYK, respectively. Phosphorylation of Tyr-842 is involved in binding to SYK, PLCG2 and PIK3R1/PIK3R2. Phosphorylated on tyrosine residues by LYN. |
| 細胞内局在 | Cell membrane. |

画像



Flow cytometric analysis of permeabilized K562 cells, untreated (green) or Pervanadate treated (red) using ab32123



All lanes : Anti-CD22 (phospho Y822) antibody [Y506] (ab32123) at 1/1000 dilution

Lane 1 : Ramos (Human Burkitt's lymphoma B lymphocyte) whole cell lysate

Lane 2 : Ramos treated with 1mM pervanadate for 30 min whole cell lysate

Lane 3 : Ramos treated with 1mM pervanadate for 30 min whole cell lysate. Then the membrane was incubated with alkaline phosphatase.

Lysates/proteins at 10 µg per lane.

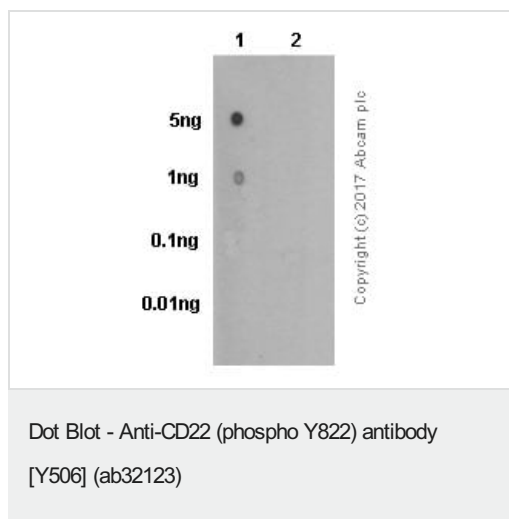
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

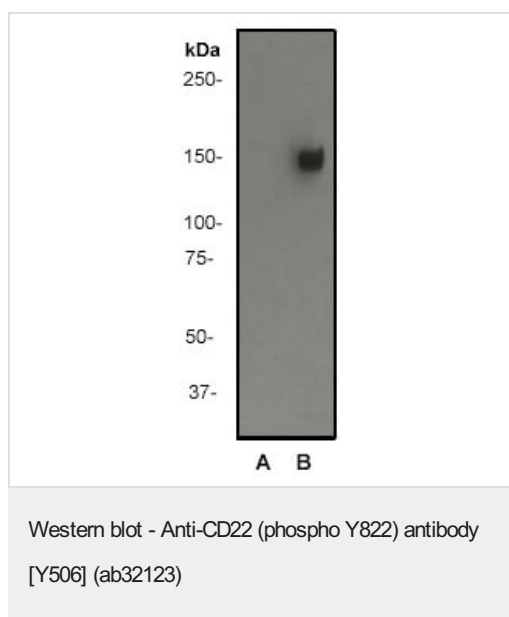
Predicted band size: 95 kDa

Observed band size: 150 kDa

Blocking and dilution buffer: 5% NFDM/TBST.



Dot blot analysis of CD22 (phospho Y822) phospho peptide (Lane 1) and CD22 non-phospho peptide (Lane 2) labelling CD22 (phospho Y822) with ab32123 at a dilution of 1/1000. A Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) was used as the secondary antibody at a dilution of 1/20,000. Blocking buffer: 5% NFDM/TBST. Dilution buffer: 5% NFDM /TBST.



All lanes : Anti-CD22 (phospho Y822) antibody [Y506] (ab32123) at 1/1000 dilution

Lane 1 : Untreated Raji cell lysate

Lane 2 : Raji cell lysate treated with Pervanadate

Predicted band size: 95 kDa

Observed band size: 150 kDa

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